DEPARTMENT OF N					ATE OF UTAH OF NATURAL RESO F OIL, GAS AND MI				AMEND	FOR ED REPOR			
APPLICATION FOR PERMIT TO DRILL					-	1. WELL NAME and NUMBER 6-4-31 South Altamont							
2. TYPE	OF WORK	DRILL NEW WEL	L(n) R	EENTER P	&A WELL DEEPE	N WELL			3. FIELD OR WILDO	CAT WILDC	AT		
4. TYPE	OF WELL		Oil Well		ped Methane Well: NO				5. UNIT or COMMUI	NITIZATI	ON AGRE	EMENT	NAME
6. NAME	OF OPERATO				RETT CORP				7. OPERATOR PHO	NE 303 312-	-8164		
8. ADDR	ESS OF OPER				300, Denver, CO, 80202				9. OPERATOR E-MA			nm	
	ERAL LEASE	NUMBER	333 TOUT SU	rect Ste 2.	11. MINERAL OWNE	RSHIP	h		12. SURFACE OWN	ERSHIP	·		_
		ML51433	ox 12 = 'fe	·e')	FEDERAL IND	IAN STATE () FE		FEDERAL INI	PR PHONE	STATE (EE (III)
		RFACE OWNER (Universal E	Enterprises	s c/o Garth Wilkinsen				16. SURFACE OWN	801-367	-2410		
			680 East		h, Provo, UT 84604	IMINGLE PRODUCTI	ON FD	ОМ	19. SLANT				
	IAN ALLOTTE .2 = 'INDIAN	E OR TRIBE NA ')	ME		MULTIPLE FORMATI			o 📵		RECTIONAL	. 🔵 н	ORIZON	TAL 🔵
20. LO	CATION OF W	'ELL		F	OOTAGES	QTR-QTR	SEC	CTION	TOWNSHIP	RAI	NGE	MEF	RIDIAN
LOCATI	ON AT SURF	ACE		1774 F	NL 2161 FWL	SENW		4	3.0 S	1.0	W		U
Top of	Uppermost P	roducing Zone		1774 F	NL 2161 FWL	SENW		4	3.0 S	1.0	W		U
At Tota	l Depth			1774 F	NL 2161 FWL	SENW		4	3.0 S	1.0	W		U
21. COU	NTY	DUCHESNE			22. DISTANCE TO N	EAREST LEASE LINE 1774	(Feet))	23. NUMBER OF AC	RES IN DI 640		UNIT	
					25. DISTANCE TO N (Applied For Drilling		МЕ РО	OOL	26. PROPOSED DEP MD:		TVD: 1150	0	
27. ELEVATION - GROUND LEVEL 28. BOND NUMBER													
27. ELE\	/ATION - GRO	5061			28. BOND NUMBER	LPM41 <mark>381</mark> 48			29. SOURCE OF DRI WATER RIGHTS AP Duchesne		NUMBÉR 1		ICABLE
27. ELE\	/ATION - GRO					LPM4138148 and Cement Info	rmati	on	WATER RIGHTS AP	PROVAL N	NUMBÉR 1		ICABLE
String	Hole Size	5061 Casing Size	Length		Hole, Casing,	and Cement Info d Max Mud Wt.	rmatio	on	WATER RIGHTS AP Duchesne Cement	PROVAL N	nary Water	Yield	Weight
String COND	Hole Size	5061 Casing Size 16	0 - 80	65.	Hole, Casing, tht Grade & Threa Unknown	and Cement Info d Max Mud Wt. 8.8			Cement Unknown	PROVAL N	Sacks	Yield 0.0	Weight 0.0
String	Hole Size	5061 Casing Size		65.	Hole, Casing, tht Grade & Threa Unknown	and Cement Info d Max Mud Wt.	H	Halliburto	Cement Unknown un Light , Type Unk	PROVAL Ne City Culir	Sacks 0 940	Yield 0.0 3.16	Weight 0.0 11.0
String COND	Hole Size	5061 Casing Size 16	0 - 80	65. 0 45.	Hole, Casing, tht Grade & Threa Unknown J-55 ST&C	and Cement Info d Max Mud Wt. 8.8 8.8	H	Halliburto	Cement Unknown	PROVAL Ne City Culir	Sacks	Yield 0.0	Weight 0.0
String COND SURF	Hole Size 26 14.75	5061 Casing Size 16 10.75	0 - 80 0 - 350	65. 0 45.	Hole, Casing, tht Grade & Threa Unknown 1-55 ST&C	and Cement Info d Max Mud Wt. 8.8 8.8	H	Halliburto	Cement Unknown on Light , Type Unk	PROVAL Ne City Culir	Sacks 0 940 360	Yield 0.0 3.16 1.36	0.0 11.0 14.8
String COND SURF	Hole Size 26 14.75	5061 Casing Size 16 10.75	0 - 80 0 - 350	65. 0 45.	Hole, Casing, tht Grade & Threa Unknown J-55 ST&C P-110 LT&C	and Cement Info d Max Mud Wt. 8.8 8.8	H	Halliburto	Cement Unknown un Light , Type Unk	PROVAL Ne City Culir	Sacks 0 940 360 1190	Yield 0.0 3.16 1.36 2.31	0.0 11.0 14.8 11.0
String COND SURF	26 14.75 9.875	5061 Casing Size 16 10.75 5.5	0 - 80 0 - 350 0 - 1150	65, 0 45.	Hole, Casing, tht Grade & Threa Unknown J-55 ST&C P-110 LT&C	and Cement Info d Max Mud Wt. 8.8 8.8 9.7 TTACHMENTS	Ha	Halliburton	Cement Unknown In Light , Type Unk Premium , Type Unk Unknown Unknown	PROVAL N	Sacks 0 940 360 1190 1370	Yield 0.0 3.16 1.36 2.31 1.42	0.0 11.0 14.8 11.0
String COND SURF PROD	Hole Size 26 14.75 9.875	5061 Casing Size 16 10.75 5.5	0 - 80 0 - 350 0 - 1150	65, 65, 45. 45. ATTACK	Hole, Casing, tht Grade & Threa Unknown 1-55 ST&C P-110 LT&C	and Cement Info d Max Mud Wt. 8.8 8.8 9.7 ITACHMENTS CE WITH THE UTA	Ha Ha	Halliburton	Cement Unknown In Light , Type Unk Premium , Type Unk Unknown Unknown Unknown	PROVAL N	Sacks 0 940 360 1190 1370	Yield 0.0 3.16 1.36 2.31 1.42	0.0 11.0 14.8 11.0
String COND SURF PROD	Hole Size 26 14.75 9.875 VERIFY	5061 Casing Size 16 10.75 5.5	0 - 80 0 - 350 0 - 1150	65, 0 45. 00 17. ATTACI	Hole, Casing, Int Grade & Threa Unknown 1-55 ST&C P-110 LT&C AT	and Cement Info d Max Mud Wt. 8.8 8.8 9.7 TTACHMENTS CE WITH THE UTA COMP	Ha Ha	Halliburton	Cement Unknown In Light , Type Unk Premium , Type Unk Unknown Unknown Unknown	nown nknown	Sacks 0 940 360 1190 1370	Yield 0.0 3.16 1.36 2.31 1.42	0.0 11.0 14.8 11.0
String COND SURF PROD	Hole Size 26 14.75 9.875 VERIFY VELL PLAT OF	Casing Size 16 10.75 5.5 THE FOLLOW R MAP PREPARE	0 - 80 0 - 350 0 - 1150 VING ARE	65, 0 45. ATTACE NSED SUI NER AGR	Hole, Casing, that Grade & Threa Unknown 1-55 ST&C P-110 LT&C AT HED IN ACCORDAN RVEYOR OR ENGINEER	and Cement Info d Max Mud Wt. 8.8 8.8 9.7 FTACHMENTS CE WITH THE UTA R COMP ACE) FORM	AH OI	Halliburton	Cement Unknown In Light , Type Unk Premium , Type Unk Unknown Unknown Unknown CAS CONSERVATI PLAN R IS OTHER THAN TH	nown nknown	Sacks 0 940 360 1190 1370	Yield 0.0 3.16 1.36 2.31 1.42	0.0 11.0 14.8 11.0
String COND SURF PROD	Hole Size 26 14.75 9.875 VERIFY VELL PLAT OF	Casing Size 16 10.75 5.5 THE FOLLOW R MAP PREPARE	0 - 80 0 - 350 0 - 1150 VING ARE	ATTACE NSED SUI NER AGR	Hole, Casing, Int Grade & Threa Unknown 1-55 ST&C P-110 LT&C AT HED IN ACCORDAN RVEYOR OR ENGINEE EEMENT (IF FEE SURF	ACE) FORM	AH OI	Halliburton IL AND G DRILLING DPERATOR IICAL MAR	Cement Unknown In Light , Type Unk Premium , Type Unk Unknown Unknown Unknown CAS CONSERVATI PLAN R IS OTHER THAN TH	nown nknown	Sacks 0 940 360 1190 1370	Yield 0.0 3.16 1.36 2.31 1.42	0.0 11.0 14.8 11.0
String COND SURF PROD	VERIFY VELL PLAT OF IRECTIONAL D)	Casing Size 16 10.75 5.5 THE FOLLOW R MAP PREPARE	0 - 80 0 - 350 0 - 1150 VING ARE	ATTACI NSED SU	Hole, Casing, Int Grade & Threa Unknown 1-55 ST&C P-110 LT&C AT HED IN ACCORDAN RVEYOR OR ENGINEER EEMENT (IF FEE SURF	ACE) FORM	AH OI	Halliburton IL AND G DRILLING DPERATOR IICAL MAR	Cement Unknown In Light , Type Unk Premium , Type Unk Unknown Unknown Unknown Unknown CAS CONSERVATI PLAN R IS OTHER THAN TI	PROVAL Ne City Culir	Sacks 0 940 360 1190 1370	Yield 0.0 3.16 1.36 2.31 1.42	0.0 11.0 14.8 11.0
String COND SURF PROD I A D D R D R D R SIGNAT	VERIFY VELL PLAT OF IRECTIONAL D)	Casing Size 16 10.75 5.5 THE FOLLOW MAP PREPARE STATUS OF SUI SURVEY PLAN (0 - 80 0 - 350 0 - 1150 VING ARE	ATTACE NSED SUI NER AGR	Hole, Casing, tht Grade & Threa Unknown 1-55 ST&C P-110 LT&C AT HED IN ACCORDAN RVEYOR OR ENGINEER FEMENT (IF FEE SURF OR HORIZONTALLY TITLE REGULATORY Management	ACE) FORM	AH OI	Halliburton IL AND G DRILLING DPERATOR IICAL MAR	Cement Unknown In Light , Type Unk Premium , Type Unk Unknown Unknown Unknown GAS CONSERVATI PLAN R IS OTHER THAN TO	PROVAL Ne City Culir	Sacks 0 940 360 1190 1370	Yield 0.0 3.16 1.36 2.31 1.42	0.0 11.0 14.8 11.0

DRILLING PLAN

BILL BARRETT CORPORATION

6-4-31 South Altamont Well Pad

SENW, 1774' FNL, 2161' FWL, Section 4, T3S-R1W, USB&M (surface and bottom hole) Duchesne County, UT

Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and 1 - 2. **Gas and Other Minerals**

<u>Formation</u>	Depth – MD
Lower Green River*	7056'
Black Shale	8481'
Castle Peak	8606'
Uteland Butte	8906'
Wasatch*	9306'
TD	11,500'

^{*}PROSPECTIVE PAY

Members of the Wasatch and the Lower Green River are primary objectives for oil/gas.

3. **BOP** and Pressure Containment Data

Depth Intervals	BOP Equipment
0 – 3500'	No pressure control required
3500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to a	accommodate choke and kill lines;

- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;
- The State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.

4. Casing Program

Hole	SETTING	G DEPTH	Casing	Casing	Casing		
Size	(FROM)	<u>(TO)</u>	Size	Weight	Grade	Thread	Condition
26"	Surface	80'	16"	65#			
14 3/4"	Surface	3500'	10-3/4"	45.5#	J or K 55	BT&C	New
9-7/8"	Surface	TD	5 ½"	17#	P-110	LT&C	New
&							
8-3/4"							

NOTE: If necessary due to lost circulation, BBC would like to request the option to set 7-5/8", 29.70# HCP-110 LT&C to a depth of 9500', then drill a 6-1/2" hole to TD and run 5-1/2" casing as a 2000' liner (200' liner lap).

Bill Barrett Corporation Drilling Program #6-4-31 South Altamont Duchesne County, Utah

5. <u>Cementing Program</u>

Casing	<u>Cement</u>
16" Conductor Casing	Grout
14-3/4" hole for 10-3/4" Surface	Lead with approximately 940 sx Halliburton Light Premium
Casing	with additives mixed at 11.0 ppg (yield = $3.16 \text{ ft}^3/\text{sx}$)
	circulated to surface with 75% excess. Planned top of lead
	cement at surface.
	Tail with approximately 360 sx Halliburton Premium
	cement with additives mixed at 14.8 ppg (yield = 1.36
	ft ³ /sx). Calculated hole volume with 75% excess. Planned
	top of tail cement at 3000'.
9-7/8 hole for 5 ½" Production	Lead with approximately 1190 sx Tuned Light cement with
Casing	additives mixed at 11.0 ppg (yield = $2.31 \text{ ft}^3/\text{sx}$). Planned
May reduce hole size to 8-3/4" at	top of lead cement at 3000'
9500' if minimal hole problems.	
	Tail with approximately 1370 sx Halliburton Econocem
	cement with additives mixed at 13.5 ppg (yield = 1.42
770 777 777 777	ft ³ /sx). Planned top of tail cement at 7981'.

NOTE: If 7-5/8" casing is necessary, cement with Lead with approximately $\frac{1100 \text{ sx}}{1100 \text{ sx}}$ Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft³/sx). Tail with approximately 240 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft³/sx). Planted TOC professory with perform a FIT to 10.2 ppg of the state of t

ppg (yield = $1.42 \text{ ft}^3/\text{sx}$). Planned TOC surface. We will perform a FIT to 10.2 ppg after drilling 20' of new hole.

The 5-1/2" liner would be cemented with 300 sx of Class G 50/50 Poz w/ 2% gel (14.2 ppg) with additives from TD to 200' above TOL.

6. <u>Mud Program</u>

<u>Interval</u>	Weight	Viscosity	Fluid Loss	<u>Remarks</u>
			(API filtrate)	
0' - 80'	8.3 - 8.8	26 - 36	NC	Freshwater Spud Mud Fluid
)			System
80' – 3500'	8.3 - 8.8	26 - 36	NC	Freshwater Spud Mud Fluid
				System
3500' - TD	8.6 - 9.7	42-52	20 cc or less	DAP Polymer Fluid System

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.

Bill Barrett Corporation Drilling Program #6-4-31 South Altamont Duchesne County, Utah

7. Testing, Logging and Core Programs

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to
	surface). FMI & Sonic Scanner to be run at geologist's discretion.

NOTE: If BBC pursues the "Alternate" program, a suite of the above logs will be run on both the intermediate and production hole sections.

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 5801 psi* and maximum anticipated surface pressure equals approximately 3271 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

11. Drilling Schedule

Location Construction: July 2011
Spud: July 2011

Duration: 20 days drilling time

45 days completion time

^{*}Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

^{**}Maximum surface pressure = A - (0.22 x TD)

PRESSURE CONTROL EQUIPMENT - Schematic Attached

- **A. Type:** Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:
 - 1. One (1) blind ram (above).
 - 2. One (1) pipe ram (below).
 - 3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
 - 4. 3-inch diameter choke line.
 - 5. Two (2) choke line valves (3-inch minimum).
 - 6. Kill line (2-inch minimum).
 - 7. Two (2) chokes with one (1) remotely controlled from the rig floor.
 - 8. Two (2) kill line valves, and a check valve (2-inch minimum).
 - 9. Upper and lower kelly cock valves with handles available.
 - 10. Safety valve(s) & subs to fit all drill string connections in use.
 - 11. Inside BOP or float sub available.
 - 12. Pressure gauge on choke manifold.
 - 13. Fill-up line above the uppermost preventer.
- B. Pressure Rating: 5,000 psi

C. Testing Procedure:

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

- 1. When the annular preventer is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yieldstrength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirments of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- 1. When the BOP is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

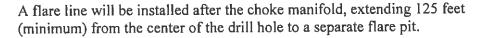
The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the Onshore Oil & Gas Order Number 2.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of Onshore Oil & Gas Order Number 2. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.







SOUTH ALTAMONT CEMENT VOLUMES AS OF: 2/18/2011 Well Name: 6-4-31 South Altamont Surface Hole Data: Calculated Data: Total Depth: 3,500' Lead Volume: 2920.7 Top of Cement Lead Fill 3,000 OD of Hole: 14.750' Tail Volume 486.8 OD of Casing: 10.750 Tail Fill: 500' Calculated # of Sacks: **Cement Data:** Lead Yield: 3.16 ft°/sk # SK's Lead: % Excess: 75% Top of Lead 0' Tail Yield: 1.36 t /sk # SK's Tail: % Excess 75% Top of Tail: 3,000 **Production Hole Data:** Calculated Data: Total Depth: Lead Volume: 2741.1 Top of Cement Lead Fill: 4,981' 3,000 Tail Volume: 1936.7 Top of Tail: 7,981 OD of Hole: 9.875 Tail Fill: 3,519 5.500 OD of Casing: Cement Data: Calculated # of Sacks: ft°/sk Lead Yield: 2.31 # SK's Lead: ft³/sk Tail Yield 1.42 # SK's Tail: % Excess: 50%

6-4-31 South Altamont Proposed Cementing Program

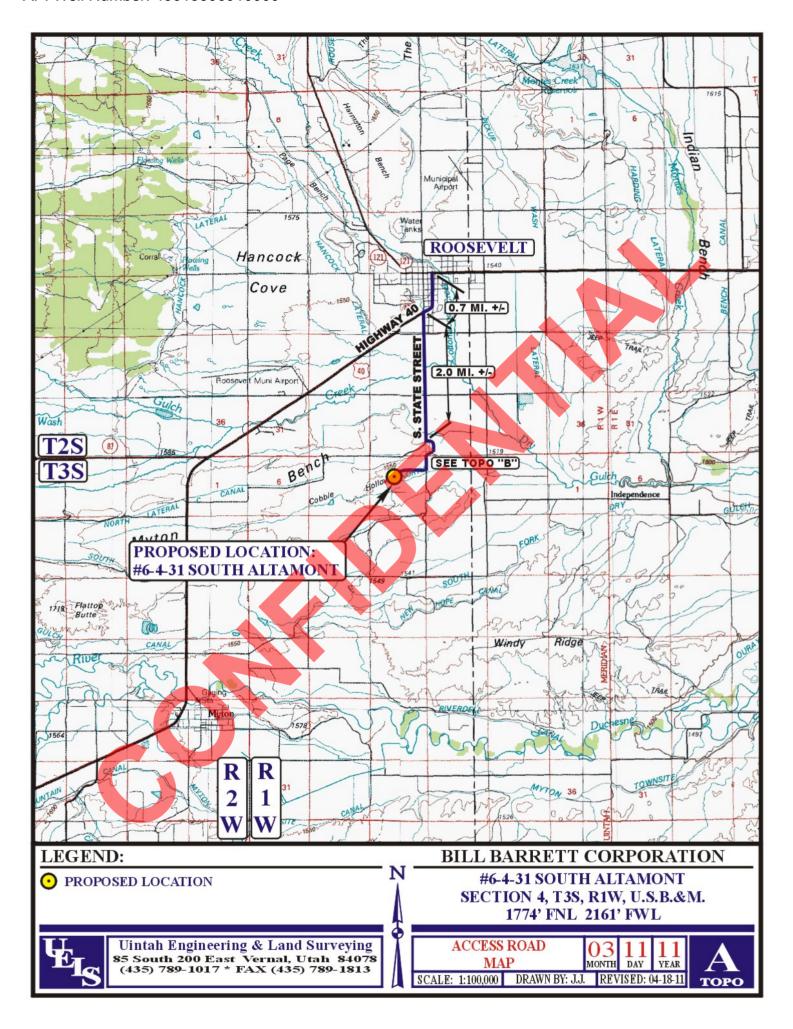
Job Recommendation		Sur	face Casing
Lead Cement - (3000' - 0')			
Halliburton Light Premium	Fluid Weight:	11.0	lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield:	3.16	ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid:	19.48	Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	0'	
2.0% Bentonite	Calculated Fill:	3,000'	
	Volume:	520.16	bbl
	Proposed Sacks:	940	sks
To:1 Company (TD 2000)			
Tail Cement - (TD - 3000')	TM: 1 117-:-1-1.	14.0	11 / 1
Premium Cement	Fluid Weight:	14.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.36	ft ³ /sk
	Total Mixing Fluid:	6.37	Gal/sk
	Top of Fluid:	3,000'	
	Calculated Fill:	500'	
	Volume:	86.69	bbl
	Proposed Sacks:	360	sks

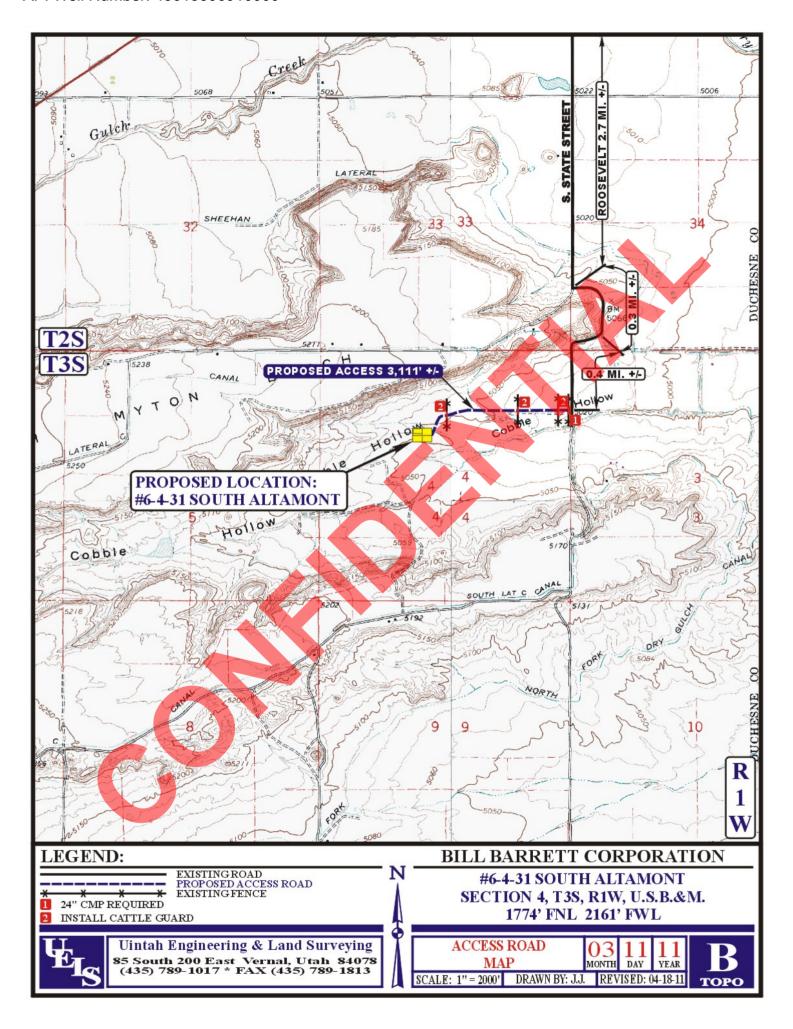
Job Recommendation		Produc	tion Casing
Lead Cement - (7981' - 3000')			
Tuned Light TM Syst em	Fluid Weight:		lbm/gal
	Slurry Yield:	2.31	ft ³ /sk
	Total Mixing Fluid:	10.65	Gal/sk
	Top of Fluid:	3,000'	
	Calculated Fill:	4,981'	
	Volume:		
	Proposed Sacks:	1190	sks
Tail Cement - (11500' - 7981')			
Econocem TM System	Fluid Weight:		lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield:	1.42	ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid:	6.61	Gal/sk
	Top of Fluid:	7,981'	
	Calculated Fill:	3,519'	
	Volume:	344.92	bbl
	Proposed Sacks:	1370	sks

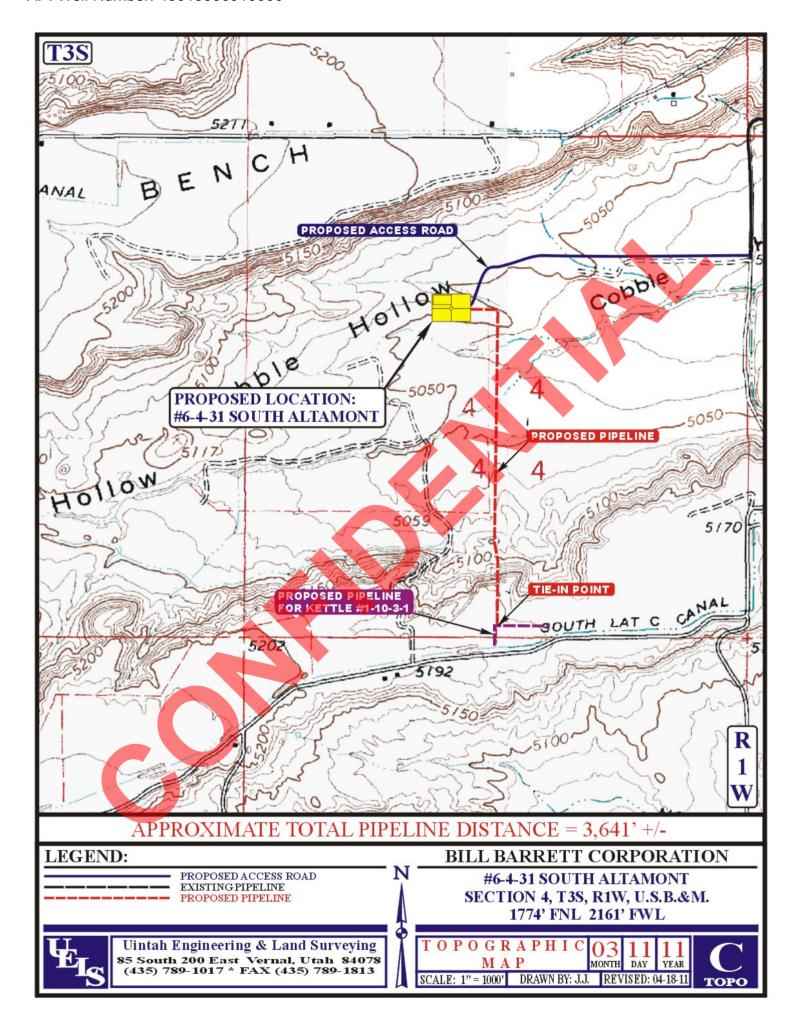
J., 12, 24.00N

RECEIVED: Jun. 29, 2011

II 4







SURFACE DAMAGE AND RIGHT-OF-WAY SETTLEMENT AGREEMENT

This Agreement, made and entered into this the 6th day of April, 2011, by and between **Universal Enterprises**, a **Limited Partnership**, 680 East 2620 North, Provo, UT 84604 ("Surface Owner") and **Bill Barrett Corporation**, 1099 18th Street, Suite 2300, Denver CO 80202, ("BBC").

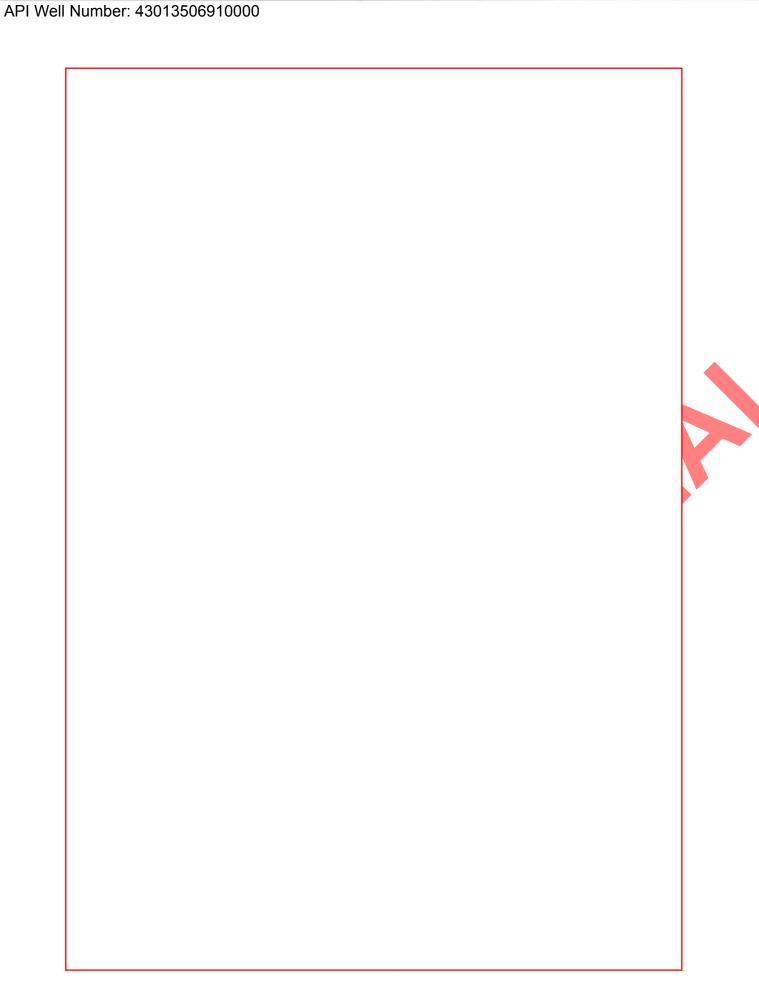
WITNESSETH THAT:

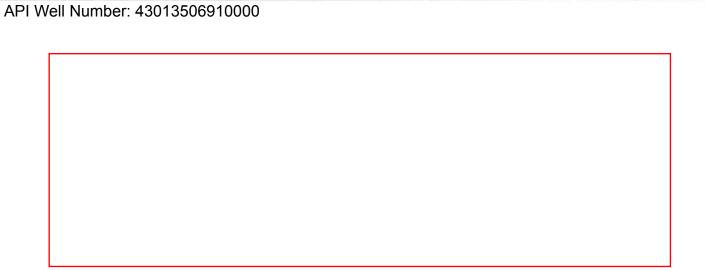
WHEREAS, BBC owns undivided interests in certain oil and gas leases ("leases") covering and affecting N/2SW/4, S/2NW/4 SEC 4, Township 3 South, Range 1 West, USM, of <u>Duchesne</u> County, Utah; and,

WHEREAS, such leases grant to BBC the right and privilege of ingress, egress, exploring, drilling, mining, operating for, producing and owning oil and gas and all other products produced therewith, together with the right to make surveys on said lands, lay pipelines, construct roads and bridges, dig canals, build power stations, telephone lines, employee houses and other structures on said lands, necessary or useful in BBC's operations; and,

WHEREAS, BBC, pursuant to its rights under the Leases, intends to drill the #6-4D-31 South Altamont well at a legal drill-site location in the SE/4 of NW1/4 of Section 4, Township 3 South, Range 1 West, USM, Duchesne County, Utah; and,

WHEREAS, Surface Owner warrants ownership to the surface of at least specific portions of Section 4, Township 3 South, Range 1 West, USM, Duchesne County, Utah, and which warranted ownership is further subject to all oil, gas and other mineral rights which are reserved for the use and benefit of the owners thereof; and,







Page 4 of 5

IN WITNESS WHEREOF, the parties have executed this Surface Damage Settlement Agreement effective as of the $\underline{6}^{st}$ day of \underline{April} , $\underline{2011}$.

UNIVERSAL ENTERPRISES	BILL BARRETT CORPORATION
A LIMITED PARTNERSHIP	
By Jarth O. Wilkinson By:	
010	Clint W. Turner
Its:	As Agent for Bill Barrett Corporation
CTATE OF UTAH	
STATE OF UTAH)	
COUNTY OF UTAH	
COUNTY OF CIAM	
On the 14th day of April	, 2011, personally appeared before
me Garth O. Wilkinson	, 2011, personally appeared before
	o me to be the person whose name is
subscribed to the foregoing instrument and ack	
same for the purpose and consideration therein	
_	Jeussa Janal al Dari
N	otary Public
R	esiding at: American fork, OT
My Commission Expires: 9 11 17	
	NOTARY PUBLIC - STATE OF UTAH
	COMMISSION NO. 575788
	COMM, EXP. 09-11-2012
STATE OF UTAH)	
COUNTY OF)	Y Y
On the day of	, 2011, personally appeared before
me	a ma ta ha tha marray sub a sa yawa i
subscribed to the foregoing instrument and ack	o me to be the person whose name is
same for the purpose and consideration therein	
included the contract the contr	
\overline{N}	otary Public
	esiding at:
My Commission Expires:	

SURFACE DAMAGE AND RIGHT-OF-WAY SETTLEMENT AGREEMENT

This Agreement, made and entered into this the <u>7th</u> day of <u>April</u>, 2011, by and between <u>John R. Bateman & Stacey A. Bateman, RR2 Box 2020 Roosevelt, Utah 84066</u> ("Surface Owner") and <u>Bill Barrett Corporation</u>, 1099 18th Street, Suite 2300, <u>Denver CO 80202</u>, ("BBC").

WITNESSETH THAT:

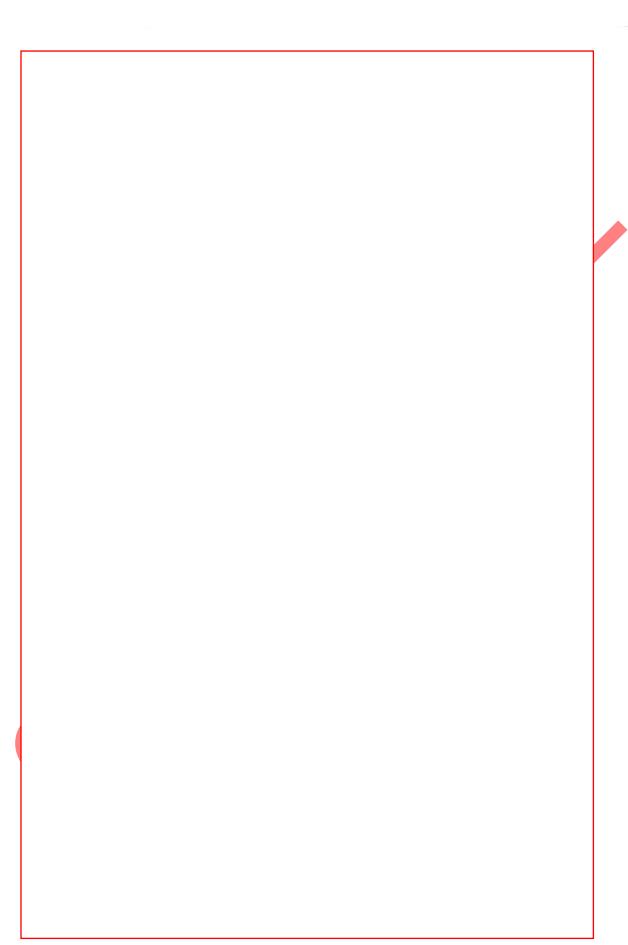
WHEREAS, BBC owns undivided interests in certain oil and gas leases ("leases") covering and affecting All of Section 4, Township 3 South, Range 1 West, USM, of Duchesne County, Utah; and,

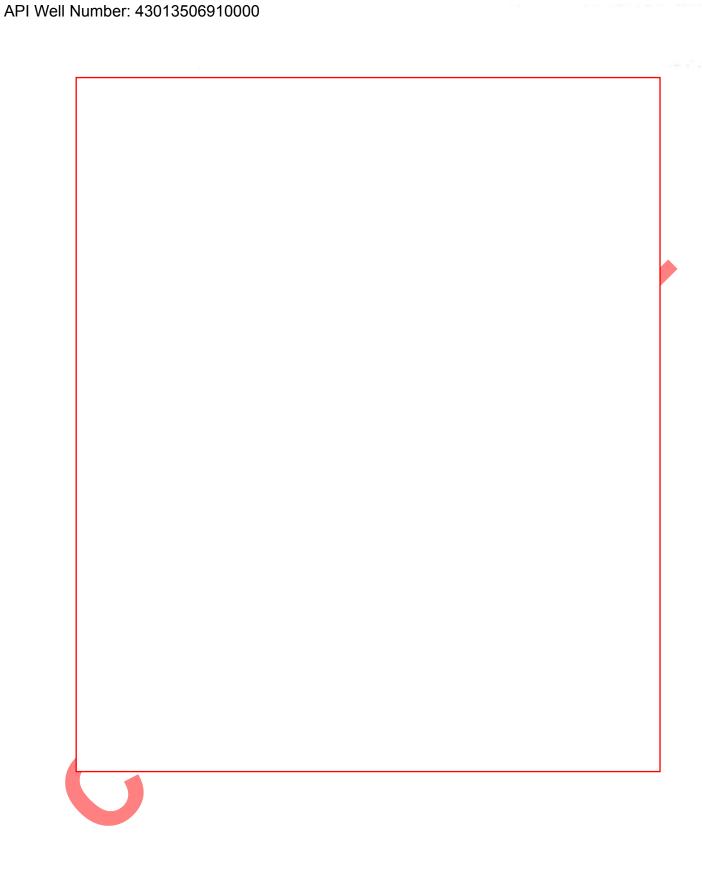
WHEREAS, such leases grant to BBC the right and privilege of ingress, egress, exploring, drilling, mining, operating for, producing and owning oil and gas and all other products produced therewith, together with the right to make surveys on said lands, lay pipelines, construct roads and bridges, dig canals, build power stations, telephone lines, employee houses and other structures on said lands, necessary or useful in BBC's operations; and,

WHEREAS, BBC, pursuant to its rights under the Leases, intends to drill the #12-4D-31 South Altamont well at a legal drill-site location in the NW1/4SW1/4 of Section 4, Township 3 South, Range 1 West, USM, Duchesne County, Utah; and,

WHEREAS, Surface Owner warrants ownership to the surface of at least specific portions of the N/2 of Section 4, Township 3 South, Range 1 West, USM, Duchesne County, Utah, and which warranted ownership is further subject to all oil, gas and other mineral rights which are reserved for the use and benefit of the owners thereof; and,

Page 1 of 5



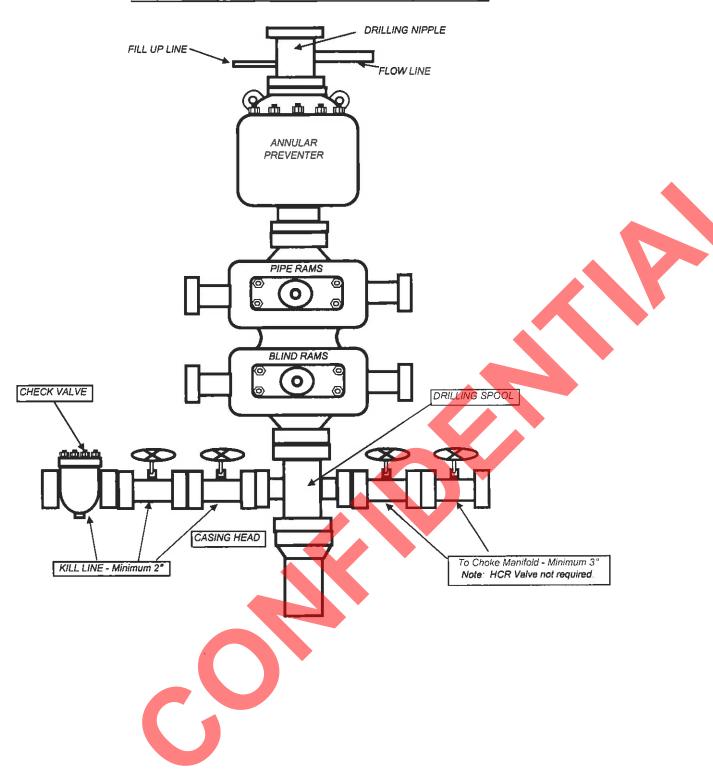


IN WITNESS WHEREOF, the parties have executed this Surface Damage Settlement Agreement effective as of the 7th day of <u>April</u>, <u>2011</u>.

John R. Bateman By: John Bateman	Stacy A. Bateman By HOLL Batternac
Its:	Its:
STATE OF UTAH)	CHEVAUN BLACK Notary Public State of Utah Comm. No. 575548 My Comm. Expires Sep 8, 2012
COUNTY OF DUCKESTIL)	10 To
On the Q day of April	, 2011, personally appeared before
subscribed to the foregoing instrument an same for the purpose and consideration the	own to me to be the person whose name is d acknowledged to me that she executed the herein expressed.
	Cheray lack
	Notary Public Residing at: ROCSEVELT
My Commission Expires: C 8 17	
STATE OF UTAH)	CHEVAUN BLACK Notary Public State of Utah Comm. No. 575548 My Comm. Expires Sep 6, 2012
COUNTY OF Nathisme	
On the O day of April	, 2011, personally appeared before
subscribed to the foregoing instrument ar same for the purpose and consideration the	
	Notary Public
1 1	Residing at:
My Commission Expires:	
P	age 4 of 5

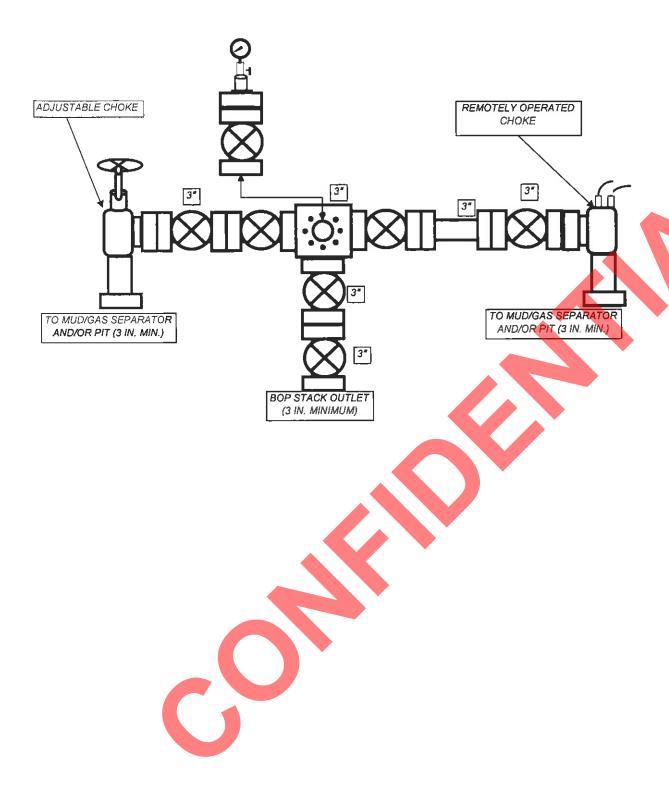
BILL BARRETT CORPORATION

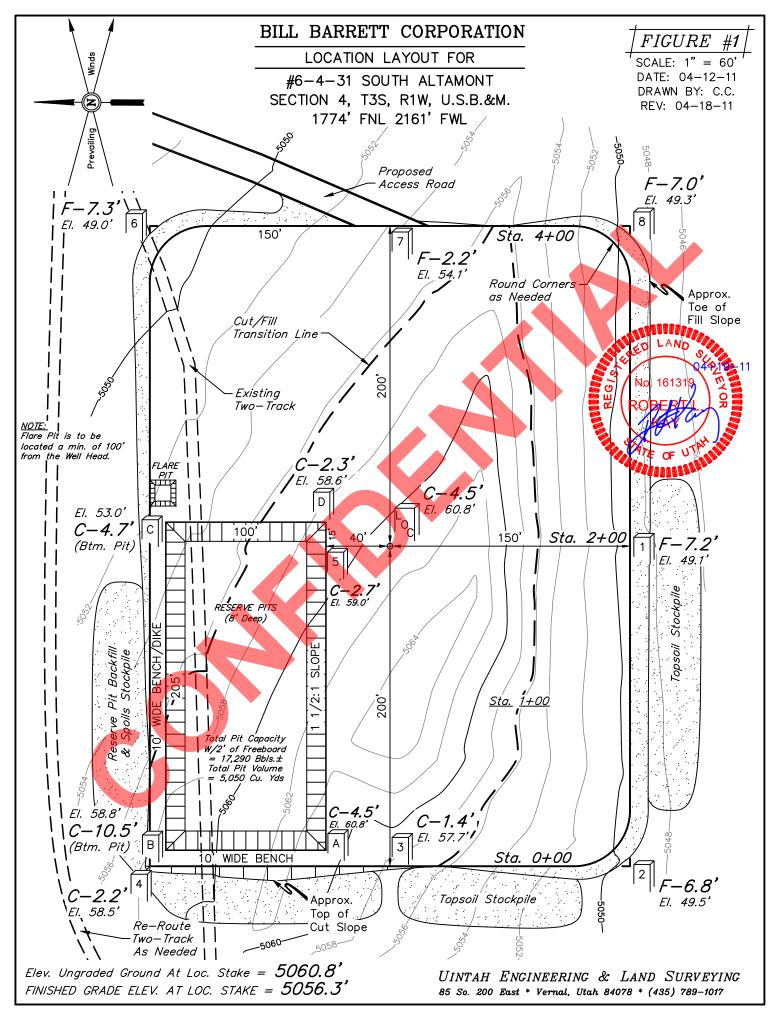
TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER

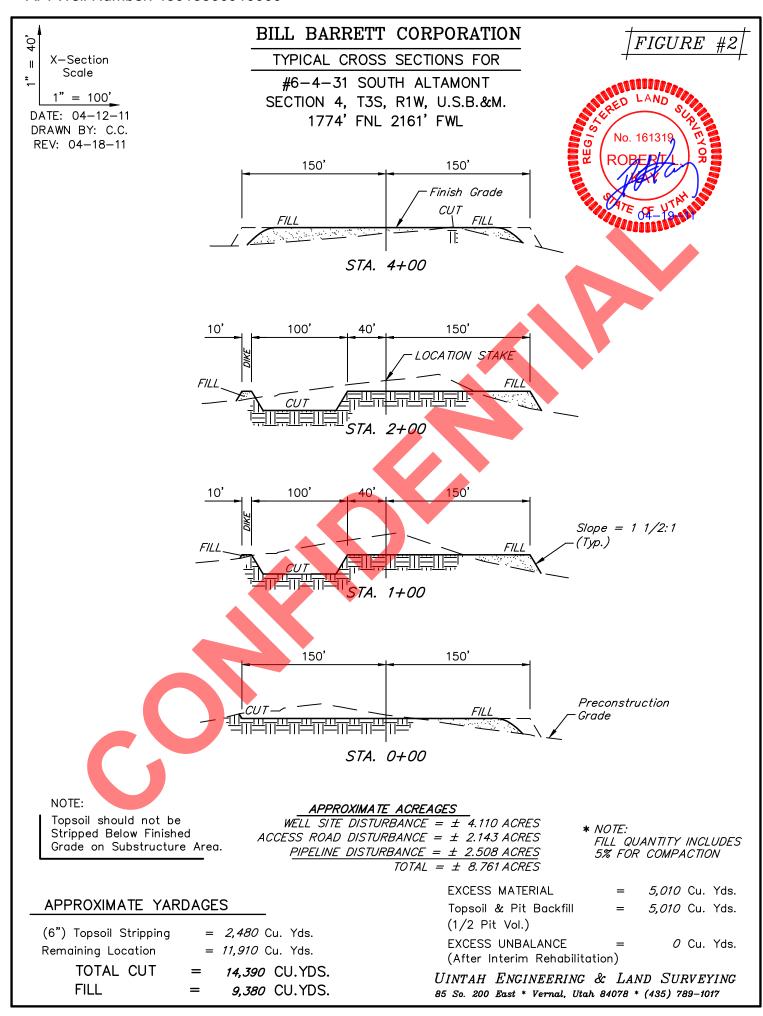


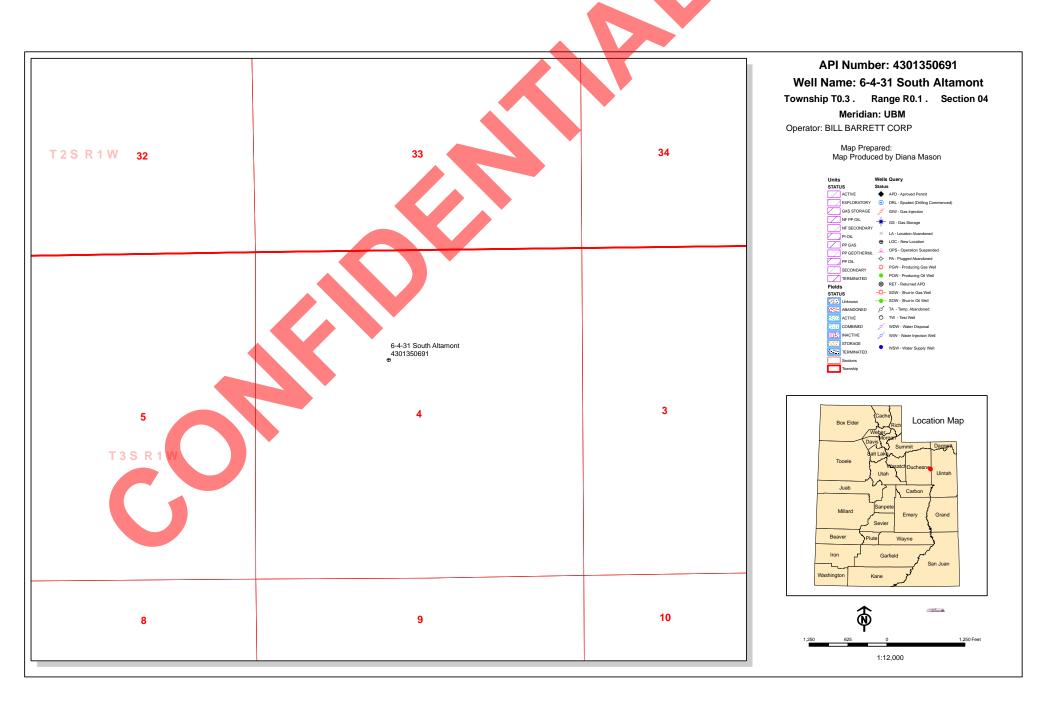
BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD









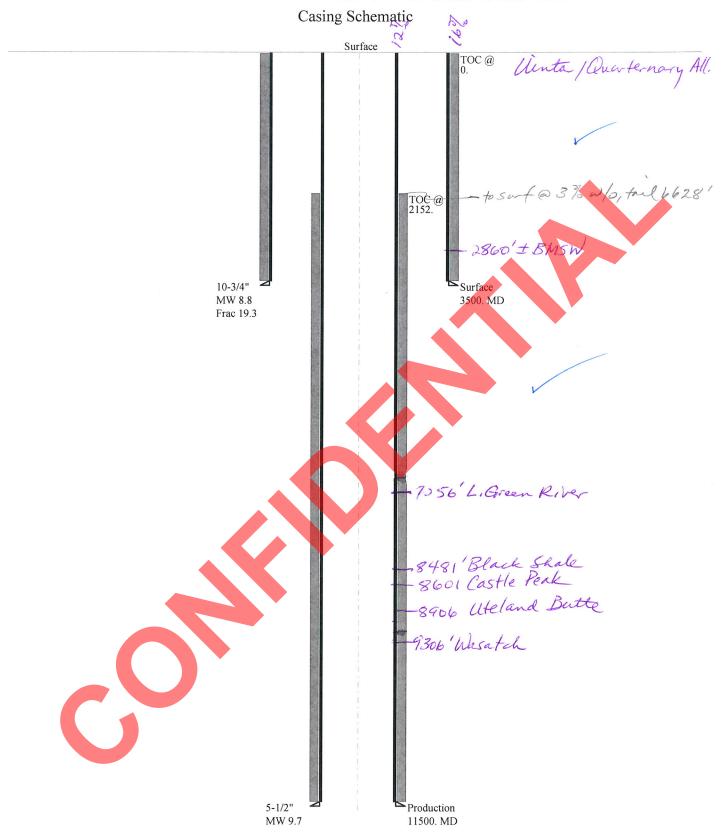
BOPE REVIEW BILL BARRETT CORP 6-4-31 South Altamont 43013506910000

Well Name		BILL BARRET	T CORP 6-4-31	l Sc	outh Altamont	430	301350691000
String	BILL BARRETT CORP 6-4-31 Soil					Tr	<u> </u>
Casing Size(")		16.000	10.750	Ť	5.500	F	<u> </u>
Setting Depth (TVD)						H	
Previous Shoe Setting Dept		80	Ti	9105	H		
Max Mud Weight (ppg)	(1 . 2)	0		Ti	3500	H	<u> </u>
BOPE Proposed (psi)		8.8	8.8	Ti.	9.7	<u> </u> -	<u> </u>
Casing Internal Yield (psi)		0	0	Ť	5000	11.	<u> </u>
		1000	3580	Ti.	10640	11.	
Operators Max Anticipated	a rressure (psi)	5801	<u> </u>	Į,	12.3	.	
Calculations	Cone	d String			16.00	00	0 "
Max BHP (psi)		.052*Settii	ng Depth*M	W=	37	1	
							BOPE Adequate For Drilling And Setting Casing at Dept
MASP (Gas) (psi)	Max	x BHP-(0.12*	Setting Dept	h)=	27		NO
MASP (Gas/Mud) (psi)	Max	x BHP-(0.22*	Setting Dept	h)=	19	3	NO
							*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting D	epth - Previou	s Shoe Dept	h)=	19]	NO
Required Casing/BOPE Te	est Pressure=				0	1	psi
*Max Pressure Allowed @	Previous Casing Shoe=				0	7	psi *Assumes 1psi/ft frac gradient
						=	
Calculations	Suri	f String		4	10.75	50	0 "
Max BHP (psi)		.052*Settii	.052*Setting Depth*MW=				
						4	BOPE Adequate For Drilling And Setting Casing at Dept
MASP (Gas) (psi)		x BHP-(0.12*				4	NO
MASP (Gas/Mud) (psi)	Max	k BHP-(0.22*	Setting Dept	h)=	832		NO No expected pressures
				4			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting D	epth - Previou	s Shoe Dept	h)=	850	4	NO
Required Casing/BOPE Test Pressure=					2506		psi
*Max Pressure Allowed @	Previous Casing Shoe=				80		psi *Assumes 1psi/ft frac gradient
Calculations	Proc	l String		_	5.50	nn l	n "
Max BHP (psi)	1100		ng Depth*M	W=	_		1
(4**)					4593	╣	BOPE Adequate For Drilling And Setting Casing at Dept
MASP (Gas) (psi)	Max	x BHP-(0.12*	Setting Dept	h)=	3500	╡	YES
MASP (Gas/Mud) (psi)		x BHP-(0.22*		_	10000	╣	YES OK
, , (Fa-)		(52	P.	_	12380	4	*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting D	epth - Previou	s Shoe Dept	h)=	3360	=	YES OK
Required Casing/BOPE Te	` "		£ .		5000	╣	psi
*Max Pressure Allowed @ Previous Casing Shoe=						╣	psi *Assumes 1psi/ft frac gradient
					3500		
Calculations	String						-
Max BHP (psi) .052*Setting Depth*MW=				4			
MACD (C.) ()	.,	DIID (0.12*	g 44: - 15 - 1	1.>			BOPE Adequate For Drilling And Setting Casing at Dept
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=			I.	4	NO .	
MASP (Gas/Mud) (psi)	Max	x BHP-(0.22*	Setting Dept	h)=			NO
						*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe Max BHP22*(Setting Depth - Previous Shoe Depth)=							NO NO
Required Casing/BOPE Te							

*Max Pressure Allowed @ Previous Casing Shoe= psi *Assumes 1psi/ft frac gradient



43013506910000 6-4-31 South Altamont



43013506910000con 6-4-31 South Altamont Well name:

BILL BARRETT CORP Operator:

String type: Surface Project ID: 43-013-50691

Location: DUCHESNE COUNTY

Design parameters: Minimum design factors: **Environment:** Collapse: H2S considered?

Collapse Mud weight: 8.800 ppg

Design factor Design is based on evacuated pipe.

74 °F 1.125 Surface temperature: Bottom hole temperature: 123 °F 1.40 °F/100ft Temperature gradient:

Minimum section length: 100 ft

Burst:

Design factor 1.00 Cement top;

Surface

No

Burst

Max anticipated surface

pressure: 1,703 psi Internal gradient: 0.220 psi/ft

Calculated BHP 2,473 psi

No backup mud specified.

Tension:

1.80 (J) 8 Round STC: 1.70 (J) 8 Round LTC: Buttress: 1.60 (J) 1.50 (J) Premium: Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 3,043 ft Non-directional string.

Re subsequent strings:

Next setting depth: 6,000 ft Next mud weight: 9.700 ppg Next setting BHP: 3,023 psi Fracture mud wt: 19.250 ppg 3,500 ft Fracture depth:

Injection pressure:

3,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (Ibs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3500	10.75	45.50	J-55	Buttress	3500	3500	9.825	36936
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
-	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(kips)	(kips)	Factor
1	1600	2090	1.306	2473	3580	1.45	159.2	715.3	4.49 B

Prepared

Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: June 28,2011 Salt Lake City, Utah

Collapse is based on a vertical depth of 3500 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

43013506910000 6-4-31 South Altamont Well name:

BILL BARRETT CORP Operator:

Production String type: Project ID: 43-013-50691

DUCHESNE COUNTY Location:

Design parameters:

Minimum design factors: **Environment:**

Collapse Collapse:

Mud weight: 9.700 ppg Design factor 1.125 Surface temperature: Design is based on evacuated pipe. Bottom hole temperature:

235 °F 1.40 °F/100ft Temperature gradient:

Minimum section length: 100 ft

H2S considered?

Non-directional string.

No

74 °F

Burst:

Burst

1.00 Design factor Cement top 2,152 ft

Max anticipated surface pressure: 3,265 psi

Internal gradient: 0.220 psi/ft Tension: Calculated BHP 5,795 psi 8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J) No backup mud specified. Buttress: 1.60 (J)

Premium: 1.50 (J) 1.60 (B) Body yield:

Tension is based on air weight.

Neutral point: 9,808 ft

Run Segment Nominal True Vert End Measured Drift Est. Length **Finish** Seq Size Weight Grade Depth Depth Diameter Cost (ft) (lbs/ft) (in) (ft) (ft) (in) (\$) 1 11500 5.5 17.00 P-110 LT&C 11500 11500 4.767 75748 Collapse Collapse Run Collapse Burst Burst **Burst** Tension Tension Tension Seq Load Strength Design Load Strength Design Load Strength Design (psi) (psi) Factor (psi) (psi) **Factor** (kips) **Factor** (kips) 5795 7480 10640 .291 5795 1.84 195.5 445 2.28 J

Prepared Helen Sadik-Macdonald by: Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: June 28,2011 Salt Lake City, Utah

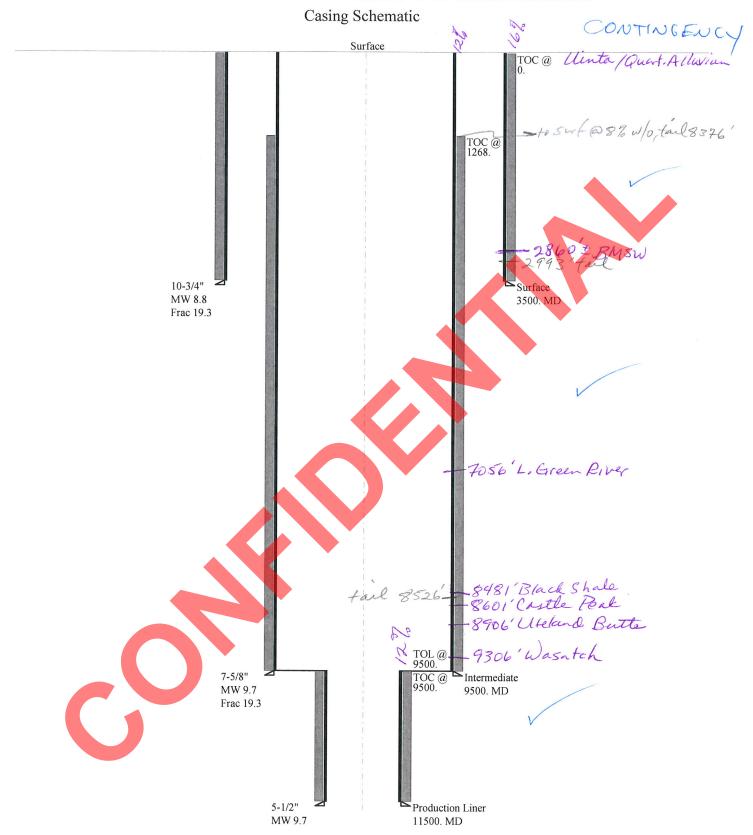
Remarks:

Collapse is based on a vertical depth of 11500 ft, a mud weight of 9.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

43013506910000con 6-4-31 South Altamont



Well name:

43013506910000con 6-4-31 South Altamont

Operator:

BILL BARRETT CORP

String type:

Location:

Intermediate

DUCHESNE

COUNTY

Project ID:

43-013-50691

Environment:

Design parameters:

Collapse

Mud weight:

9.700 ppg

Design is based on evacuated pipe.

Collapse: Design factor

Minimum design factors:

1.125

H2S considered? Surface temperature:

No 74 °F

207 °F Bottom hole temperature: 1.40 °F/100ft Temperature gradient:

Minimum section length: 1,000 ft

Burst:

Design factor

1.00

1.80 (J)

1.80 (J)

1.60 (J)

1.50 (J)

1.60 (B)

2.03

Cement top:

,268 ft

<u>Burst</u>

Max anticipated surface

No backup mud specified.

pressure: Internal gradient:

3,265 psi 0.220 psi/ft

Calculated BHP

5,355 psi

Tension: 8 Round STC:

8 Round LTC:

Buttress: Premium:

Body yield:

5355

Tension is based on air weight. Neutral point: 8,119 ft Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight:

11,500 ft 9.700 ppg 5,795 psi

Next setting BHP: Fracture mud wt: Fracture depth:

Injection pressure:

320.1

19.250 ppg 11,500 ft 11,500 psi

2.81 J

Run Seq	Segment Length (ft) 9500	Size (in) 7.625	Nominal Weight (lbs/ft) 33.70	Grade P-110	End Finish LT&C	True Vert Depth (ft) 9500	Measured Depth (ft) 9500	Drift Diameter (in) 6.64	Est. Cost (\$) 125273	-
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor	

10860

Prepared

4787

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

7870

1.644

Phone: 801 538-5357 FAX: 801-359-3940

Date: June 28,2011 Salt Lake City, Utah

901

Remarks:

Collapse is based on a vertical depth of 9500 ft, a mud weight of 9.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

43013506910000con 6-4-31 South Altamont

Operator:

BILL BARRETT CORP

String type:

Production Liner

Project ID: 43-013-50691

Location:

DUCHESNE COUNTY

> Minimum design factors: **Environment:**

Collapse

Mud weight: Design is based on evacuated pipe.

9.700 ppg

Collapse: Design factor 1.125 H2S considered?

No 74 °F Surface temperature:

235 °F Bottom hole temperature: 1.40 °F/100ft Temperature gradient:

Minimum section length: 1,000 ft

Burst:

Design factor

1.00

Cement top:

<u>Burst</u>

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

Design parameters:

3,265 psi

0.220 psi/ft 5,795 psi

Tension:

8 Round STC:

8 Round LTC: Buttress:

Premium: Body yield:

1.50 1.60 (B)

1.80 (J)

1.80 (J)

1.60 (J)

Tension is based on air weight. Neutral point: 11,206 ft Liner top:

9,500 ft

Non-directional string.

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.	
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Cost	
	(ft)	(in)	(lbs/ft)	_		(ft)	(ft)	(in)	(\$)	
1	2000	5.5	17.00	P-110	LT&C	11500	11500	4.767	13173	
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension	
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design	
	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(kips)	(kips)	Factor	
1	5795	7480	1.291	5795	10640	1.84	34	445	13.09 J	

Prepared

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357

FAX: 801-359-3940

Date: June 28,2011 Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 11500 ft, a mud weight of 9.7 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

OperatorBILL BARRETT CORPWell Name6-4-31 South Altamont

API Number 43013506910000 APD No 3661 Field/Unit WILDCAT

Location: 1/4,1/4 SENW **Sec 4 Tw** 3.0S **Rng** 1.0W 1774 FNL 2161 FWL

GPS Coord (UTM) 584868 4456202 Surface Owner Universal Enterprises c/o Garth Wilkinsen

Participants

Kary Eldredge (Bill Barrett), Garth Wilkinson (land owner), Brent Wilkinson (son of land owner), Trevor Anderson (UELS), Richard Powell (DOGM)

Regional/Local Setting & Topography

This location is set on a small knoll toward the north side of a long draw called Cobble Hollow approximately 3.5 miles south of Roosevelt Ut. Cobble Hollow is a drainage which extends eastward from off of the Myton Bench, a large ridge between Roosevelt and Myton. The Myton Bench which extends around the location on the North and South is used for agriculture. Cobble Hollow is used for pasture and toward the outlet of the hollow is also agricultural crop land. Due to the locations position on the knoll site stability is good and no drainages are effected.

Surface Use Plan

Current Surface Use

Grazing

Wildlfe Habitat

New Road Miles Well Pad Src Const Material Surface Formation

0.589 Width 290 Length 400 Onsite DUCHR

Ancillary Facilities Y

Several trailers will be placed on location to provide housing for personnel during drilling of this well. Sewage and trash service to be handled by local contractor.

Waste Management Plan Adequate?

Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Badger, Deer, covote, small rodents, raptors

Sage brush and greasewood, sparse grasses, rabbit brush

Soil Type and Characteristics

Sandy clay with scattered rocks on surface

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

6/29/2011 Page 1

API Well Number: 43013506910000

Drainage Diverson Required? N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? N

Reserve Pit

Site-Specific Factors	Site Ran	king	
Distance to Groundwater (feet)	75 to 100	10	
Distance to Surface Water (feet)	300 to 1000	2	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)	10 to 20	5	
Affected Populations			
Presence Nearby Utility Conduits	Unknown	10	
	Final Score	42	1 Sensitivity Level

Characteristics / Requirements

The reserve pit will be place in cut in a stable location. The pit will be 100ft x 205ft x 8ft deep with a total capacity including freeboard of 17,290bbl.

According to Kary Eldredge a 20 mil liner with felt sub liner will be used.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

Other Observations / Comments

Richard Powell 5/17/2011 **Evaluator Date / Time**

6/29/2011 Page 2

RECEIVED: Jun. 29, 2011

API Well Number: 43013506910000

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

Page 1

APD No API WellNo Status Well Type Surf Owner CBM
3661 43013506910000 LOCKED OW P No

Operator BILL BARRETT CORP Surface Owner-APD Universal Enterprises c/o Garth

Wilkinsen

Well Name 6-4-31 South Altamont Unit

Field WILDCAT Type of Work DRILL

Location SENW 4 3S 1W U 1774 FNL 2161 FWL GPS Coord (UTM) 584866E 4456198N

Geologic Statement of Basis

6/29/2011

Bill Barrett proposes to set 80' of conductor and 3,500' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 2,860'. A search of Division of Water Rights records shows 7 water wells within a 10,000 foot radius of the center of Section 4. The wells are privately owned. Depth is listed as ranging from 33 feet to 380 feet. Water use is listed as irrigation, stock watering, and domestic use. Three wells are within 1/2 mile of the proposed location. All three are less than 40 feet deep. All other wells are over a mile from the proposed well. The surface formation at this site is the Uinta Formation and Quaternary alluvium derived from the Uinta Formation. The shallow wells probably produce from alluvial beds. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed surface casing should adequately protect useable ground water in this area.

Brad Hill
APD Evaluator

Brad Hill
Date / Time

Surface Statement of Basis

Surface owner Garth Wilkinson was present for this onsite. Mr. Wilkinson stated that he had been in communication with Bill Barret and was satisfied with the placement of the well. Also, Mr. Wilkinson was present with surveyor Trevor Anderson during the staking of this well and during this onsite inspection Mr. Wilkinson stated that his main concern is that everything agreed to with Bill Barret stay as agreed to, particularly the access road placement. No other concerns were mentioned. According to Kary Eldredge Bill Barrett will use a 20 mil liner and felt subliner.

Richard Powell 5/17/2011
Onsite Evaluator Date / Time

Conditions of Approval / Application for Permit to Drill

Category Condition

Pits A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.

Surface The reserve pit shall be fenced upon completion of drilling operations. Surface The well site shall be bermed to prevent fluids from leaving the pad.

RECEIVED: Jun. 29, 2011

API Well Number: 43013506910000

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 4/20/2011 **API NO. ASSIGNED:** 43013506910000

WELL NAME: 6-4-31 South Altamont

OPERATOR: BILL BARRETT CORP (N2165) **PHONE NUMBER:** 303 312-8134

CONTACT: Tracey Fallang

PROPOSED LOCATION: SENW 04 030S 010W Permit Tech Review:

SURFACE: 1774 FNL 2161 FWL Engineering Review:

BOTTOM: 1774 FNL 2161 FWL Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.25383 LONGITUDE: -110.00211 UTM SURF EASTINGS: 584866.00 NORTHINGS: 4456198.00

FIELD NAME: WILDCAT LEASE TYPE: 3 - State

LEASE NUMBER: ML51433 PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH

LOCATION AND SITING:

R649-2-3.

SURFACE OWNER: 4 - Fee COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

Oil Shale 190-5

₽ PLAT

Bond: STATE/FEE - LPM4138148 Unit:

Potash R649-3-2. General

Oil Shale 190-3

Oil Shale 190-13

✓ Water Permit: Duchesne City Culinary Water Dock **Board Cause No:** Cause 131-51

RDCC Review: Effective Date: 10/27/1983

Fee Surface Agreement

Siting: 1320' Fr Exterior Bdry of Section

Inte<mark>nt</mark> to Com<mark>mi</mark>ngle R649-3-11. Directional Drill

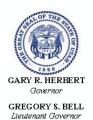
Comments: Presite Completed

Commingling Approved

Stipulations: 5 - Statement of Basis - bhill

RECEIVED: Jun. 29, 2011

API Well No: 43013506910000



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: 6-4-31 South Altamont

API Well Number: 43013506910000

Lease Number: ML51433

Surface Owner: FEE (PRIVATE)

Approval Date: 6/29/2011

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 131-51. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

 Within 24 hours following the spudding of the well – contact Carol Daniels OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

API Well No: 43013506910000

- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

• Carol Daniels 801-538-5284 - office

• Dustin Doucet 801-538-5281 - office

801-733-0983 - after office hours

• Dan Jarvis 801-538-5338 - office

801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas

_X - Change of Operator (Well Sol	d)			Opera	itor Name (Change/Mei	rger		
The operator of the well(s) listed below ha	s cha	nged, e	effective	: :		8/1/2011			
FROM: (Old Operator): N2695-Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202					perator):	n Company			
Phone: 1 (303) 312-8134				Phone: 1 (303)	893-0102				
CA No.			-	Unit:					┫ .
WELL NAME	SEC	TWN	RNG	API NO	ENTITY	LEASE	WELL	WELL	1
6-4-31 SOUTH ALTAMONT	04	0308	010W	4301350691	NO	TYPE	TYPE	STATUS	
o voi bootiminioni	01	0305	OTOW	4301330091		State	OW	APD	C
OPERATOR CHANGES DOCUME Enter date after each listed item is complet 1. (R649-8-10) Sundry or legal documentation 2. (R649-8-10) Sundry or legal documentation	ed ion w	as rece	eived fro				_		
						10/7/2011	_	0/00/0044	
3. The new company was checked on the Default.4a. Is the new operator registered in the State				Business Numl				3/22/2011	_
4b. If NO , the operator was contacted conta			yes	Business Num	ber:	755627-014	-		
5a. (R649-9-2)Waste Management Plan has b			d on:	IN PLACE					
5b. Inspections of LA PA state/fee well sites					_				
5c. Reports current for Production/Disposition	-			n/a	_				
_				ok		_			
The state of the s							_		
or operator change for all wells listed on 7. Federal and Indian Units:	rede	rai or i	ndian le	ases on:	BLM	_ n/a	BIA	- n/a	
The BLM or BIA has approved the succ	cesso	r of un	it opera	tor for wells lis	ted on:	n/a			
8. Federal and Indian Communization							_		
The BLM or BIA has approved the ope					A on:	n/a			
9. Underground Injection Control ("				vision has appro			– er of Auth	ority to	
Inject, for the enhanced/secondary recover	ery u						n/a	•	
DATA ENTRY:					. ,			_	
1. Changes entered in the Oil and Gas Data				10/17/2011					
2. Changes have been entered on the Month	ıly O	perato	r Chan		et on:	10/17/2011	_		
3. Bond information entered in RBDMS on:				10/17/2011	_				
4. Fee/State wells attached to bond in RBDM5. Injection Projects to new operator in RBD				10/17/2011	_				
5. Injection Projects to new operator in RBI6. Receipt of Acceptance of Drilling Proced			D/Now	n/a	- 10/17/2011				
BOND VERIFICATION:	uics .	IOI AIT	D/NEW	on.	10/17/2011				
1. Federal well(s) covered by Bond Number	•			WY000483					
2a. (R649-3-1) The NEW operator of any fe		ll(s) lis	ted cov		- Jumber	B001834			
2b. The FORMER operator has requested a part of the second of the seco							_		
The Division sent response by letter on:	. DIVU	OI II(wanted II	n/a	<u> 11/a</u>	-			
LEASE INTEREST OWNER NOT	IFIC	CATIO	ON:						-
3. (R649-2-10) The FORMER operator of th				n contacted and	informed by	a letter from t	he Divisio	nn	
of their responsibility to notify all interest	<u>ow</u> ne	rs of th	is chan	ge on:	n/a		: 1310	***	
COMMENTS:									

STATE OF UTAH

MENT OF NATURAL RESOURCES

	DEPARTMENT OF NATURAL RESOURCE	JES	
	DIVISION OF OIL, GAS AND MIN	ING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML51433
SUNDRY	NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill r	new wells, significantly deepen existing wells below currer	nt bottom-hole depth, reenter plugged wells, or to	7. UNIT OF CA AGREEMENT NAME: N/A
1 TYPE OF WELL	aterals. Use APPLICATION FOR PERMIT TO DRILL form	n for such proposals,	8. WELL NAME and NUMBER:
OIL WELL	GAS WELL OTHER		6-4-31 South Altamont
2. NAME OF OPERATOR: Newfield Production Com	pany (N2695)		9. API NUMBER: 4301350691
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 CIT	y Denver STATE CO ZIP 8	0202 PHONE NUMBER: (303) 893-0102	10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL	T STATE OF ZIP	[(000) 000 0.02	
FOOTAGES AT SURFACE: 1774'	FNL and 2161' FWL		COUNTY: Duchesne
QTR/QTR, SECTION, TOWNSHIP, RAN	IGE, MERIDIAN: SENW 4 3S 1W	V × · U · ·	STATE:
CUEOK ADDI	DODDIATE DOVED TO MIDIOATE		UTAH
TYPE OF SUBMISSION	ROPRIATE BOXES TO INDICATE		DRT, OR OTHER DATA
	ACIDIZE	TYPE OF ACTION DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
8/1/2011	CHANGE TO PREVIOUS PLANS	✓ OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only) Date of work completion:	CHANGE WELL STATUS [PRODUCTION (START/RESUME)	WATER SHUT-OFF
bate of work completion.	COMMINGLE PRODUCING FORMATIONS [RECLAMATION OF WELL SITE	OTHER:
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show all per	tinent details including dates, depths, volum	nes, etc.
	N COMPANY IS SUBMITTING TH		
ABOVE-MENTIONED PE	RMITTED BY UNDRILLED WELL	WILL BE OPERATED BY NEW	VFIELD (BOND # B001834)
	EASE REFER ALL FUTURE COR	RESPONDENCE TO DARYLL	T HOWARD AT THE FOLLOWING
ADDRESS:			
NEWFIELD PRODUCTIO			
1001 17th STREET, SUIT DENVER, CO 80202	E 2000		
PHONE: 303-893-0102			AAUFIRFUTIAL
FAX: 303-893-0103			CONFIDENTIAL
dhoward@newfield.com			0011112211111
Mount Gilliam		Pulat	M
Bill Barrett Corporation (C	Name	Le gulati ry	1 / langge stitle)
1099 18th Street, Suite 23	800, Denver, CO 80202, Phone: 3	303-312-8134 9/27	/// (Date)
	, , , , , , , , , , , , , , , , , , , ,		(Batte)
NAME (PLEASE DRINT) Daryll T. I	Walley Danahas	10 1 1 1	
NAME (PLEASE PRINT)	toward Kelly Donohou	TITLE Land Man	agir
SIGNATURE ROUTE	& dundhows	DATE 10/5/11	V
(This space for State was and a)		771	RECEIVED
(This space for State use only) A DDD \(\tag{VC}\)	D 10 1/7 1 201/		OCT 0.7 2011
M 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 = 111 = 1 1 -1111		, (31') 10 / /111'

(5/2000)

Could Kussell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

OCT 07 2011

DIV. OF OIL, GAS & MINING

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	6-4-31 South Altamont		
API number:	4301350691		
Location:	Qtr-Qtr: SENW Section: 4	Township: 3S	Range: 1W
Company that filed original application:	Bill Barrett Corporation		
Date original permit was issued:	06/29/2011		
Company that permit was issued to:	Bill Barrett Corporation		

Check one	Desired Action:
	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
1	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		1
If so, has the surface agreement been updated?		1
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		1
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		1
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		1
Has the approved source of water for drilling changed?		1
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		1
Is bonding still in place, which covers this proposed well? Bond No. B001834	✓	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Kelly L. Donohoue	Title Land Manager	
Signature KULKOONOMALLE	Date 10/04/2011	
Representing (company name) Newfield Production Company		

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operation of the person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operation of the person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operation of the person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operation of the person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operation of the person significance of

(3/2004)

OCT 07 2011

PANEIDENTIAL

			FORM 0
	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND M		5.LEASE DESIGNATION AND SERIAL NUMBER: ML51433
SUND	RY NOTICES AND REPORT	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deep ugged wells, or to drill horizontal laterals		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 6-4-31 SOUTH ALTAMONT
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COM	1PANY		9. API NUMBER: 43013506910000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84		HONE NUMBER: tt	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1774 FNL 2161 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	IP, RANGE, MERIDIAN: Township: 03.0S Range: 01.0W Meridia	an: U	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDIC	ATE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	☐ ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	✓ CHANGE WELL NAME
11/1/2011	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT	☐ DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
Newfield Production be changed from the is also made for a changed to accommulate please find an updat	DIMPLETED OPERATIONS. Clearly show all p Company respectfully request 6-4-3-1 South Altamont to a approval of an updated drilling modate the new operators dred drilling plan for approval a es with the new well name. Totherwise unchanged	sts that the name of the we the State 6-4-3-1W. Reque of plan, with BOP diagram, willing procedures. Attached and an updated plat package he plat package remains d.	st Approved by the Utah Division of
NAME (PLEASE PRINT) Don Hamilton	PHONE NUMBE 435 719-2018	TITLE Permitting Agent	
SIGNATURE N/A		DATE 10/19/2011	



The Utah Division of Oil, Gas, and Mining

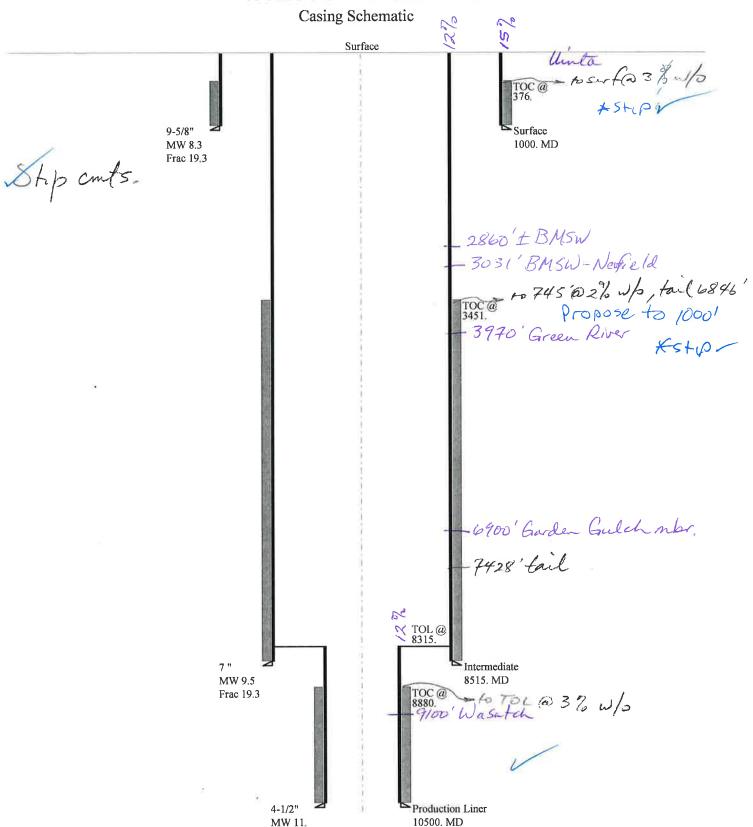
- State of UtahDepartment of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013506910000

Cement volumes for the 9 5/8" and 7" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

43013506910000state 6-4-3-1W



Well name:

43013506910000state 6-4-3-1W

Operator:

Newfield Production Company

String type:

Surface

Project ID:

43-013-50691

Location:

DUCHESNE COUNTY

Design parameters:		Minimum desig	n factors:	Environment:	
Collapse		Collapse:		H2S considered?	No
Mud weight:	8.330 ppg	Design factor	1.125	Surface temperature:	74 °F
Design is based on evad	cuated pipe.	_		Bottom hole temperature:	88 °F
•	• •			Temperature gradient:	1.40 °F/100ft
				Minimum section length:	100 ft

Burst:

Design factor

1.00

1.80 (J)

1.70 (J)

1.60 (J)

1.50 (J)

1.50 (B)

1.10

Cement top:

376 ft

3,500 psi

10.94 J

Burst

Max anticipated surface

No backup mud specified.

pressure: 3,080 psi Internal gradient: 0.120 psi/ft

Calculated BHP

2020

3,200 psi

Tension: 8 Round STC: 8 Round LTC:

Buttress: Premium:

Body yield:

3200

Tension is based on air weight. Neutral point: 877 ft Non-directional string.

Re subsequent strings:

Injection pressure:

36

Next setting depth: 8,515 ft Next mud weight: 9.500 ppg Next setting BHP: 4,202 psi Fracture mud wt: 19.250 ppg Fracture depth: 3,500 ft

394

Nominal Run Segment End True Vert Measured Drift Est. Weight Depth Depth Diameter Cost Seq Length Size Grade **Finish** (in) (lbs/ft) (ft) (in) (\$) (ft) (ft) 1000 1000 8692 1000 36.00 J-55 ST&C 8.796 9.625 1 **Burst Tension** Tension Run Collapse Collapse Collapse **Burst** Burst Tension Load Strength Design Load Strength Design Load Strength Design Seq **Factor** (psi) (psi) **Factor** (kips) (kips) **Factor** (psi) (psi)

3520

Helen Sadik-Macdonald Prepared by:

Div of Oil, Gas & Mining

4.668

Phone: 801 538-5357 FAX: 801-359-3940

Date: November 8,2011 Salt Lake City, Utah

1

433

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

43013506910000state 6-4-3-1W

Operator:

Newfield Production Company

Project ID:

String type:

Intermediate

Location:

DUCHESNE COUNTY 43-013-50691

Design parameters:

Minimum design factors:

Environment:

Collapse

Mud weight:

Collapse: Design factor H2S considered?

Nο

9.500 ppg

1.125

Surface temperature:

74 °F 193 °F

Design is based on evacuated pipe.

Bottom hole temperature: Temperature gradient:

1.40 °F/100ft Minimum section length: 1,000 ft

Burst:

Design factor

1.00 Cement top: 3,451 ft

Burst

Max anticipated surface

Calculated BHP

pressure: Internal gradient: 3,690 psi

0.220 psi/ft 5,563 psi

Tension:

1.80 (J)

1.80 (J)

No backup mud specified.

8 Round STC: 8 Round LTC: **Buttress:**

1.60 (J) Premium: 1.50 (J) 1.60 (B) Body yield:

Tension is based on air weight. Neutral point: 7.295 ft Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight:

10,500 ft 11.000 ppg 6,000 psi

Next setting BHP: Fracture mud wt: Fracture depth: Injection pressure:

19.250 ppg 10,500 ft 10,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	8 5 15	` <i>7</i>	26.00	P-110	LT&C	8515	8515	6.151	88513
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4202	6230	1.483	5563	9950	1.79	221.4	693	3.13 J

Prepared

Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: November 8,2011 Salt Lake City, Utah

Collapse is based on a vertical depth of 8515 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

43013506910000state 6-4-3-1W

Minimum design factors:

Operator:

Newfield Production Company

String type:

Production Liner

Project ID:

43-013-50691

Location:

DUCHESNE COUNTY

Environment:

Collapse

Mud weight:

Design parameters:

Collapse: Design factor H2S considered?

No 74 °F

11.000 ppg Design is based on evacuated pipe.

1.125

Surface temperature: Bottom hole temperature:

Non-directional string.

221 °F

Temperature gradient:

1.40 °F/100ft

Minimum section length: 1,000 ft

Burst:

Design factor

1.00 Cement top: 8,880 ft

Burst

Max anticipated surface pressure:

3,690 psi

Liner top:

8,315 ft

Internal gradient: Calculated BHP

No backup mud specified.

0.220 psi/ft 6,000 psi

Tension: 8 Round STC:

1.80 (J) 1.80 (J)

Buttress: Premium:

8 Round LTC:

1.60 (J) 1.50 (J)

Body yield:

1.60 (B)

Tension is based on air weight.

Neutral point:

10,138 ft

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length (ft)	Size (ìn)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Cost (\$)
1	2200	4.5	11.60	P-110	LT&C	10500	10500	3.875	10600
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (kips)	Strength (kips)	Design Factor
1	6000	7580	1.263	6000	10690	1.78	25.5	279	10.93 J

Prepared

by:

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: November 8,2011

Salt Lake City, Utah

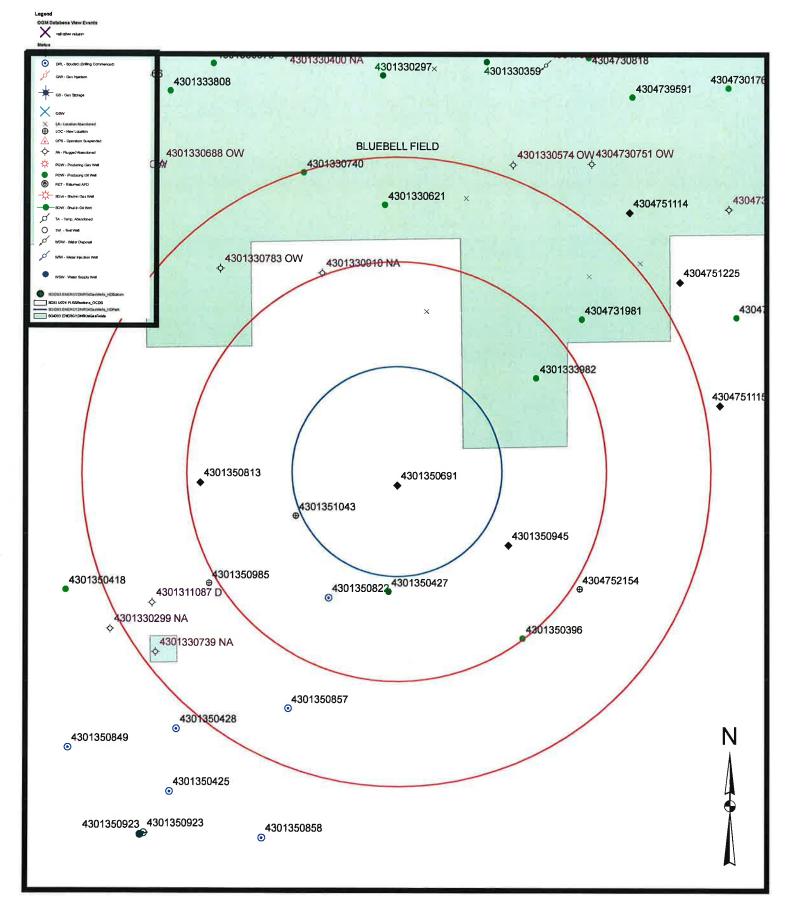
Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 10500 ft, a mud weight of 11 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well Name		Newfield S	ST 6-4-3-1W (rev	(rev 11-2011) API 43-013-50691-0000
			T'ı	API 43-013-50691-00
		String 1	String 2	175
Casing Size (")		8/9 6	7	4 1/2
Setting Depth (TVD)		1000	8515	
Previous Shoe Setting Depth (TVD)		09		
Max Mud Weight (ppg)		8.33	9.5	11
BOPE Proposed (psi)		1000	5	0 2000
Casing Internal Yield (psi)		3520	9950	0 6660
Operators Max Anticipated Pressure (psi)	re (psi)	5733		10.5 ppg
Calculations				
Calculations	String 1	8/9 6		
Max BHP [psi]	.052*Setting Depth*MW =	433		
			BOPE Adequate	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	313		Annular Diverter head
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	213		70
			*Can Full Expec	*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth) =	226		000
Required Casing/BOPE Test Pressure		1000 psi	psi	
*Max Pressure Allowed @ Previous Casing Shoe	us Casing Shoe =	09	60 psi	*Assumes 1psi/ft frac gradient
				-
Calculations	String 2	7		
Max BHP [psi]	.052*Setting Depth*MW =	4206		
			BOPE Adequate	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	3185		5M double ram. 5M annular rotating head
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =			J. C. L. C.
				*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth) =	2553		(C45004/0) E
Required Casing/BOPE Test Pressure		5000 psi		
*Max Pressure Allowed @ Previous Casing Shoe =	us Casing Shoe =	1000 psi	psi	*Assumes 1psi/ft frac gradient
Calculations	String 3	4 1/2	=	
Max BHP [psi]	.052*Setting Depth*MW =	9009		
			BOPE Adequate	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	4746	_	5M double ram. 5M annular rotating head
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	3696	YES	20
			*Can Full Expec	*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth) =	5569		70
Required Casing/BOPE Test Pressure	sure	5000 psi	psi	
*Max Pressure Allowed @ Previous Casing Shoe =	us Casing Shoe =	8515 psi	isa	*Assumes 10si/ff frac gradient

Injection Well Area of Review



Newfield Production Company State 6-4-3-1W SE/NW Section 4, T3S, R1W Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta surface
Green River 3,970'
Garden Gulch member 6,900'
Wasatch 9,100'
TD 10,500'

2. Depth to Oil, Gas, Water, or Minerals

Base of moderately saline 3,031' (water)
Green River 6,900' - 9,100' (oil)
Wasatch 9,100' - TD (oil)

3. Pressure Control

Section BOP Description

Surface 12-1/4" diverter

Interm/Prod The BOP and related equipment shall meet the minimum requirements of Onshore

Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc

for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least

5,000 psi will be used.

4. Casing

Description	In	terval	Weight	Grade	Coup	Pore Press @	MW @	Frac Grad	s	afety Factor	rs
Description	Top	Bottom	(ppf)	Grade	Coup	Shoe	Shoe	@ Shoe	Burst	Collapse	Tension
Conductor	0'	60'	37	H-40	Weld						
14	U	00	31	11-40	Weld						
Surface	0'	1,000'	36	J-55	STC	8.33	8.33	12	3,520	2,020	394,000
9 5/8	U	1,000	30	1-33	SIC	6.33	6.33	12	6.27	6.35	10.94
Intermediate	0'	0.5151	26	P-110	LTC	9	9.5	15	9,960	6,210	693,000
7	U	8,515'	20	P-110	LIC	9	9.5	15	2.62	1.85	3.13
Production	0.2151	10.500!	11.6	D 110	LTC	10.5	11		10,690	7,560	279,000
4 1/2	8,315'	10,500'	11.6	P-110	LTC	10.5	11		2.28	1.53	2.29

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)

Intermediate casing MASP = (reservoir pressure) - (gas gradient)

Production casing MASP = (reservoir pressure) - (gas gradient)

All collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.1 psi/ft

All casing shall be new.

All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

5. Cement

Job	Hole Size	Fill	Chumy Description	ft ³	OH excess	Weight	Yield
JOD	Hole Size	FIII	Slurry Description	sacks	OH excess	(ppg)	(ft ³ /sk)
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello	41	15%	15.8	1.17
Conductor	1/1/2	00	Flake	35	1370	13.6	1.17
Surface	12 1/4	500'	Premium Lite II w/ 3% KCl + 10%	180	15%	11.0	3.53
Lead	12 1/4	300	bentonite	51	1370	11.0	3.33
Surface	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello	180	15%	15.8	1.17
Tail	12 1/4	300	Flake	154	13%	13.8	1.17
Intermediate	8 3/4	5,900'	Premium Lite II w/ 3% KCl + 10%	1020	15%	11.0	3.53
Lead	0 3/4	3,900	bentonite	289	1370	11.0	3.33
Intermediate	8 3/4	1,615'	50/50 Poz/Class G w/ 3% KCl + 2%	279	15%	14.3	1.24
Tail	0 3/4	1,013	bentonite	225	15%	14.5	1.24
Production	6 1/8	2,185'	50/50 Poz/Class G w/ 3% KCl + 2%	237	15%	14.3	1.24
Tail	0 1/8	2,185	bentonite	191	13%	14.3	1.24

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the intermediate and production casing strings will be calculated from an open hole caliper log, plus 15% excess.

6. Type and Characteristics of Proposed Circulating Medium

<u>Interval</u> <u>Description</u>

Surface - 1,000'

An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.

1,000' - TD

A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

Anticipated maximum mud weight is 11.0 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the

surface casing. A compensated neutron/formation density \log will be run from TD to the top of the Garden Gulch formation. A cement bond \log will be run from PBTD to the

cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.55 psi/ft gradient.

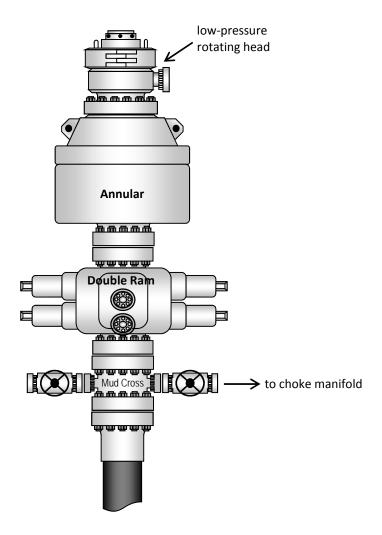
10,500' x 0.55 psi/ft = 5733 psi

No abnormal temperature is expected. No H₂S is expected.

9. Other Aspects

This is planned as a vertical well.

Typical 5M BOP stack configuration



NEWFIELD EXPLORATION COMPANY

STATE #6-4-3-1W

LOCATED IN DUCHESNE COUNTY, UTAH **SECTION 4, T3S, R1W, U.S.B.&M.**

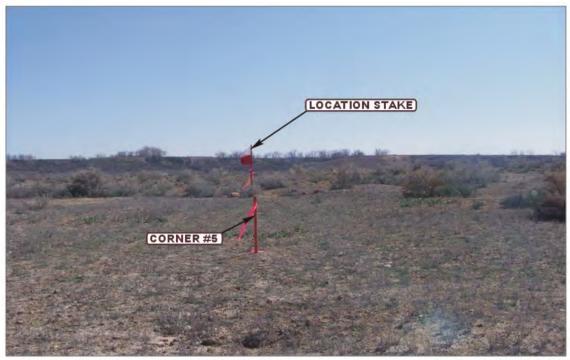


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY

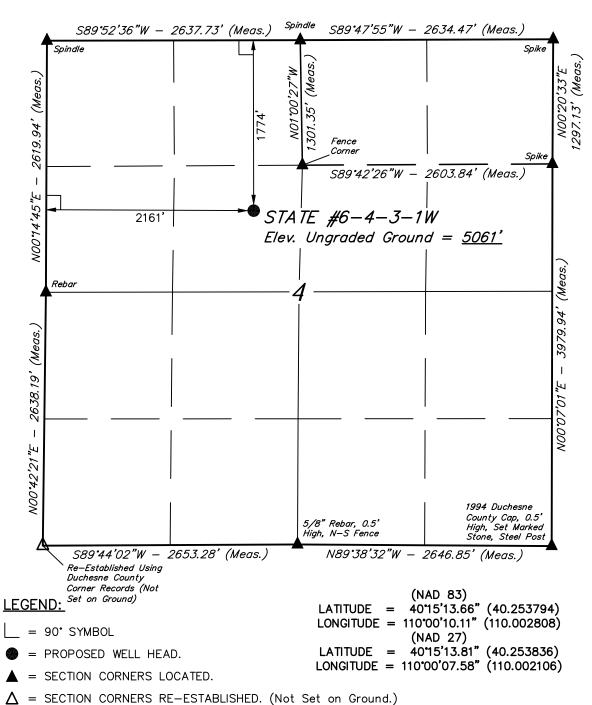


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



T3S, R1W, U.S.B.&M.



NEWFIELD EXPLORATION COMPANY

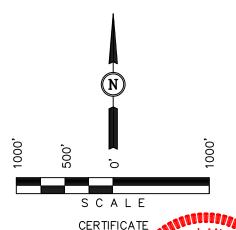
Well location, STATE #6-4-3-1W, located as shown in the SE 1/4 NW 1/4 of Section 4, T3S, R1W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT THE ABOVE PAY WAS PREPARED FREIGHT NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER WY SUPERVISION AND THAT THE SAME AND TRUE AND CORRECT TO BEST OF MY KNOWLEDGE AND BELIEF

REVISED: 10-13-11 REVISED: 04-19-11 REVISED: 04-18-11 REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF STANDE CENTRAL

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

 SCALE
 DATE SURVEYED:
 DATE DRAWN:

 1" = 1000'
 04-08-11
 04-12-11

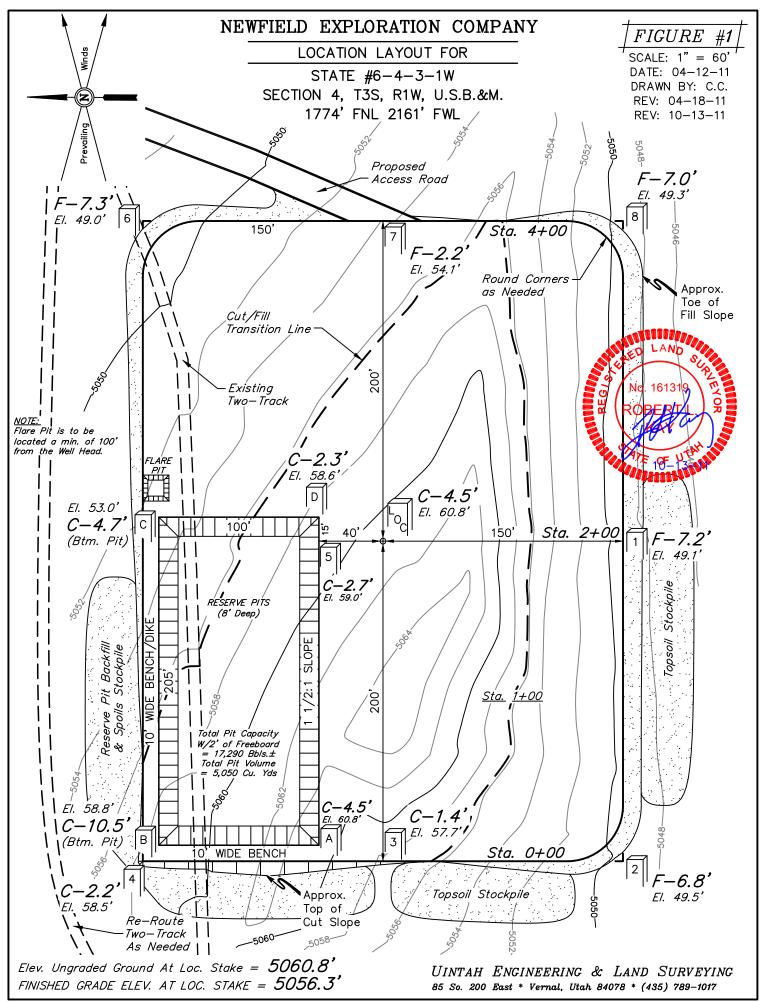
 PARTY
 REFERENCES
 G.L.O. PLAT

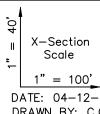
 WEATHER
 FILE

EATHER FILE COOL N

COOL NEWFIELD EXPLORATION COMPANY

RECEIVED Oct. 19, 2011



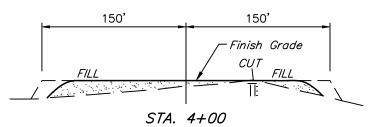


DATE: 04-12-11 DRAWN BY: C.C. REV: 04-18-11 REV: 10-13-11

NEWFIELD EXPLORATION COMPANY

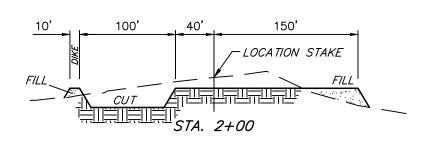
TYPICAL CROSS SECTIONS FOR STATE #6-4-3-1W SECTION 4, T3S, R1W, U.S.B.&M.

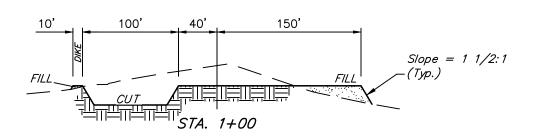
1774' FNL 2161' FWL

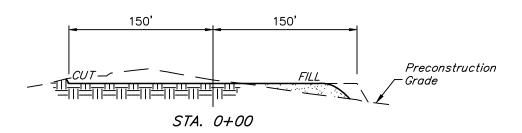




FIGURE







NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = \pm 4.110 ACRES ACCESS ROAD DISTURBANCE = \pm 2.143 ACRES PIPELINE DISTURBANCE = ± 2.508 ACRES $TOTAL = \pm 8.761 ACRES$

* NOTE: FILL QUANTITY INCLUDES 5% FOR COMPACTION

O Cu. Yds.

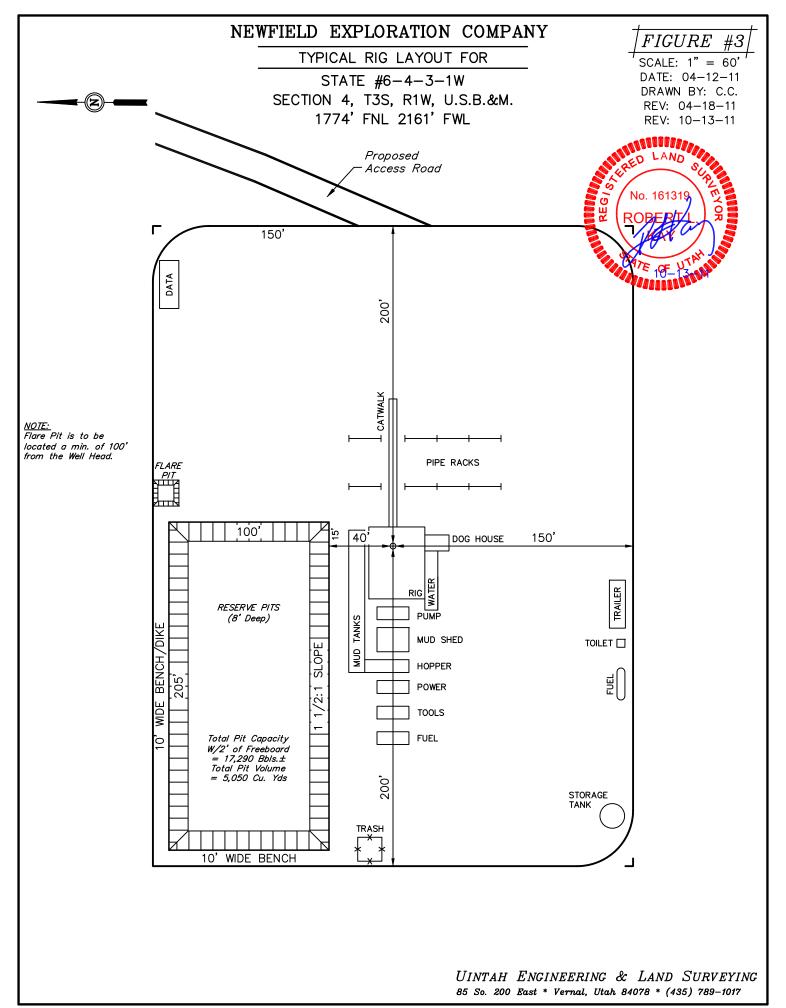
APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,480 Cu. Yds. Remaining Location = 11,910 Cu. Yds. TOTAL CUT

14,390 CU.YDS. **FILL** 9,380 CU.YDS. EXCESS MATERIAL 5,010 Cu. Yds. Topsoil & Pit Backfill 5,010 Cu. Yds. (1/2 Pit Vol.)

EXCESS UNBALANCE (After Interim Rehabilitation)

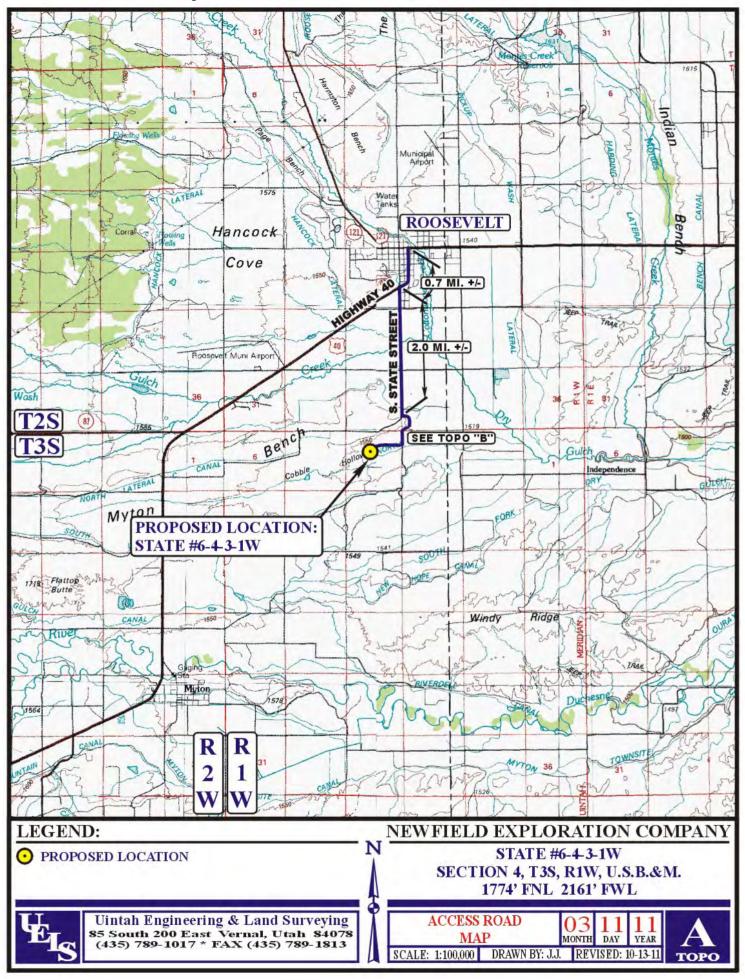
UINTAH ENGINEERING & LAND SURVEYING 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

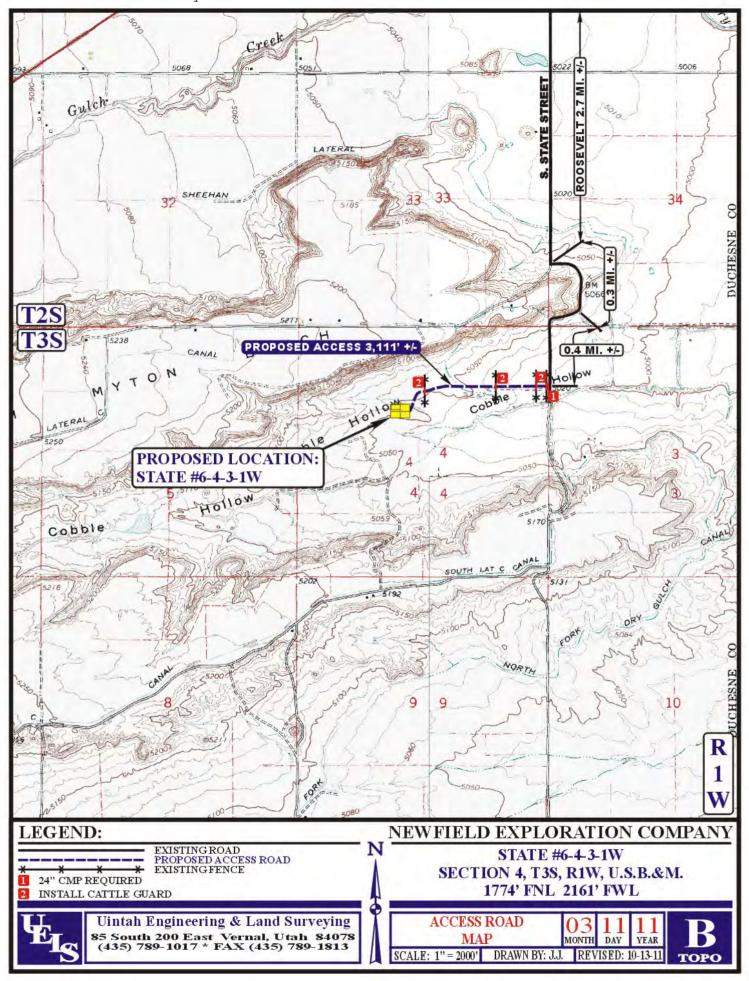


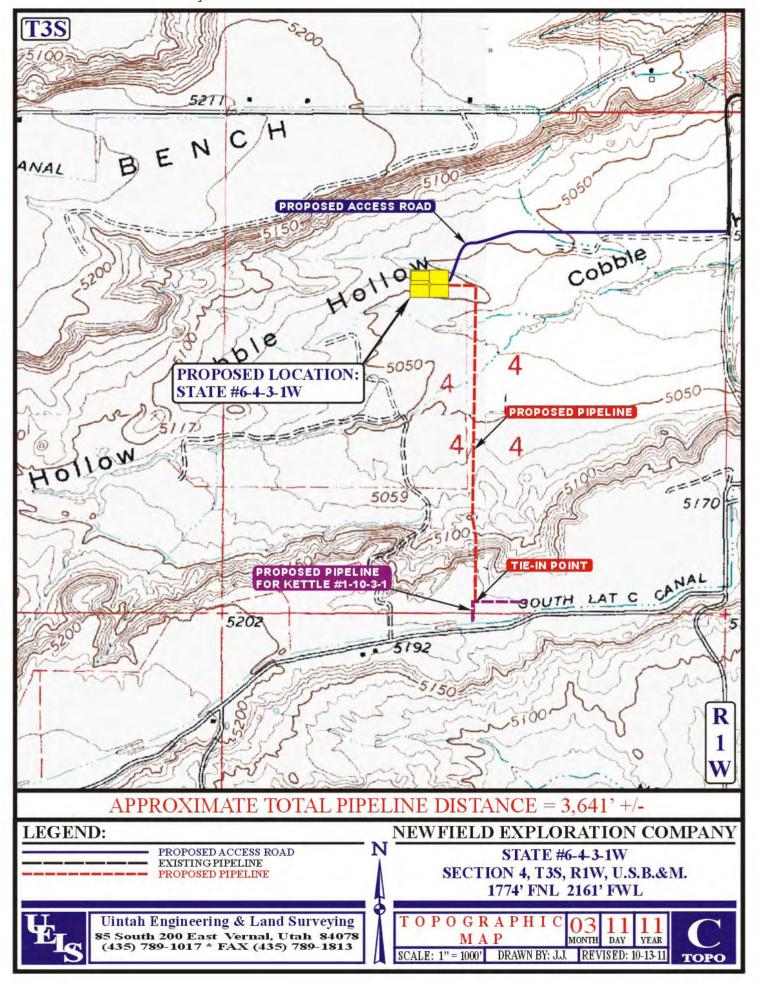
NEWFIELD EXPLORATION COMPANY STATE #6-4-3-1W SECTION 4, T3S, R1W, U.S.B.&M.

PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION FROM ROOSEVELT, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND S. STATE STREET TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHELY DIRECTION APPROXIMATELY 2.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 3,111' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM ROOSEVELT, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 4.0 MILES.







SUNDRY NOTICE OF SUBMISSION SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, supficantly deepen susting wells below current contominated depth, receive plugged wells, or to drill horizontal laterals. User APPLICATION FOR PERMIT TO TOWN OF THE PRINT TO TOWN OF THE PRINT TOWN				FORM 0
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COMMINGE PRODUCTION STATUS DEEPEN	Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	✓ CHANGE WELL NAME
Describe Proposed or Completion: Describe Proposed or Complete Departions. Clearly show all pertinent details including dates, depths, volumes, etc. Newfield Production Company respectfully requests that the name of the well be changed for approval of an updated drilling plan, with BOP diagram, changed to accommodate the new operators drilling procedures. Attached please find an updated drilling plan for approval and an updated plat package to update the files with the new well name. The plat package remains otherwise unchanged. NAME (PLEASE PRINT) Date of Work Completed Department of the Name of the well be changed from the 6-4-3-1 Suth Altamont to the State 6-4-3-1W. Request is also made for approval of an updated drilling plan, with BOP diagram, changed to accommodate the new operators drilling procedures. Attached please find an updated drilling plan for approval and an updated plat package to update the files with the new well name. The plat package remains otherwise unchanged. NAME (PLEASE PRINT) PHONE NUMBER Permitting Agent Date Date	11/1/2011	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
OPERATOR CHANGE PLUG AND ABANDON PLUG BACK		DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
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DRILLING REPORT Report Date: WATER SHUTOFF SITA STATUS EXTENSION OTHER: WILDCAT WELL DETERMINATION OTHER 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Newfield Production Company respectfully requests that the name of the well be changed from the 6-4-3-1 South Altamont to the State 6-4-3-1W. Request is also made for approval of an updated drilling plan, with BOP diagram, changed to accommodate the new operators drilling procedures. Attached please find an updated drilling plan for approval and an updated plat package to update the files with the new well name. The plat package remains otherwise unchanged. NAME (PLEASE PRINT) Don Hamilton NAME (PLEASE PRINT) Don Hamilton PHONE NUMBER A35 719-2018 TITLE Permitting Agent Permitting Agent DATE		☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
WILDCAT WELL DETERMINATION		☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
Describe Proposed or Completed Operations. Clearly show all pertinent details including dates, depths, volumes, etc. Newfield Production Company respectfully requests that the name of the well be changed from the 6-4-3-1 South Altamont to the State 6-4-3-1W. Request is also made for approval of an updated drilling plan, with BOP diagram, changed to accommodate the new operators drilling procedures. Attached please find an updated drilling plan for approval and an updated plat package to update the files with the new well name. The plat package remains otherwise unchanged. NAME (PLEASE PRINT) Don Hamilton PHONE NUMBER TITLE Permitting Agent Date: Date: Date Date Date Date Date		☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION
Newfield Production Company respectfully requests that the name of the well be changed from the 6-4-3-1 South Altamont to the State 6-4-3-1W. Request is also made for approval of an updated drilling plan, with BOP diagram, changed to accommodate the new operators drilling procedures. Attached please find an updated drilling plan for approval and an updated plat package to update the files with the new well name. The plat package remains otherwise unchanged. NAME (PLEASE PRINT) Don Hamilton 435 719-2018 PHONE NUMBER Permitting Agent PATE PATE PATE PAPPOVED by the Utah Division of Oil, Gas and Mining TITLE Permitting Agent	Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
Don Hamilton 435 719-2018 Permitting Agent SIGNATURE DATE	Newfield Production be changed from the is also made for a changed to accomr please find an updat	Company respectfully requests 6-4-3-1 South Altamont to the approval of an updated drilling modate the new operators drill sed drilling plan for approval ares with the new well name. The	s that the name of the well in State 6-4-3-1W. Request plan, with BOP diagram, ing procedures. Attached and an updated plat package plat package remains	Approved by the Utah Division of e Oil, Gas and Mining Pate: 11/10/2011
SIGNATURE DATE	NAME (PLEASE PRINT) Don Hamilton			
I I	SIGNATURE N/A			



The Utah Division of Oil, Gas, and Mining

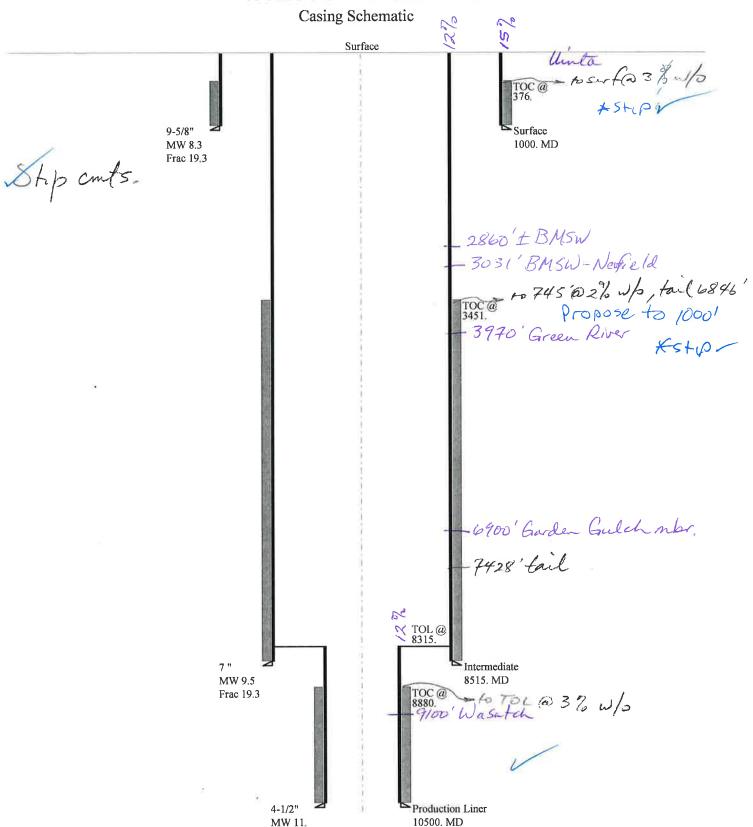
- State of UtahDepartment of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013506910000

Cement volumes for the 9 5/8" and 7" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

43013506910000state 6-4-3-1W



Well name:

43013506910000state 6-4-3-1W

Operator:

Newfield Production Company

String type:

Surface

Project ID:

43-013-50691

Location:

DUCHESNE COUNTY

Design parameters:		Minimum desig	n factors:	Environment:	
Collapse		Collapse:		H2S considered?	No
Mud weight:	8.330 ppg	Design factor	1.125	Surface temperature:	74 °F
Design is based on evad	cuated pipe.			Bottom hole temperature:	88 °F
•	. ,			Temperature gradient:	1.40 °F/100ft
				Minimum section length:	100 ft

Burst:

Design factor

1.00

1.80 (J)

1.70 (J)

1.60 (J)

1.50 (J)

1.50 (B)

1.10

Cement top:

376 ft

3,500 psi

10.94 J

Burst

Max anticipated surface

No backup mud specified.

pressure: 3,080 psi Internal gradient: 0.120 psi/ft

Calculated BHP

3,200 psi

Tension: 8 Round STC: 8 Round LTC:

Buttress: Premium:

Body yield:

3200

Tension is based on air weight. Neutral point: 877 ft Non-directional string.

Re subsequent strings:

Injection pressure:

36

Next setting depth: 8,515 ft Next mud weight: 9.500 ppg Next setting BHP: 4,202 psi Fracture mud wt: 19.250 ppg Fracture depth: 3,500 ft

394

Nominal Run Segment End True Vert Measured Drift Est. Weight Depth Depth Diameter Cost Seq Length Size Grade **Finish** (in) (lbs/ft) (ft) (in) (\$) (ft) (ft) 1000 1000 8692 1000 36.00 J-55 ST&C 8.796 9.625 1 **Burst Tension** Tension Run Collapse Collapse Collapse **Burst** Burst Tension Load Strength Design Load Strength Design Load Strength Design Seq **Factor** (psi) (psi) **Factor** (kips) (kips) **Factor** (psi) (psi)

3520

Prepared by:

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

2020

4.668

Phone: 801 538-5357 FAX: 801-359-3940

Date: November 8,2011 Salt Lake City, Utah

1

433

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

43013506910000state 6-4-3-1W

Operator:

Newfield Production Company

Project ID:

String type:

Intermediate

Location:

DUCHESNE COUNTY 43-013-50691

Design parameters:

Minimum design factors:

Environment:

Collapse

Mud weight:

Collapse: Design factor H2S considered?

Nο

9.500 ppg

1.125

Surface temperature:

74 °F 193 °F

Design is based on evacuated pipe.

Bottom hole temperature: Temperature gradient:

1.40 °F/100ft Minimum section length: 1,000 ft

Burst:

Design factor

1.00 Cement top: 3,451 ft

Burst

Max anticipated surface

pressure: 3,690 psi Internal gradient:

0.220 psi/ft 5,563 psi

Tension:

1.80 (J)

Calculated BHP No backup mud specified. 8 Round STC:

1.80 (J) 8 Round LTC: Buttress: 1.60 (J)

Premium: Body yield: 1.50 (J) 1.60 (B)

Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight:

10,500 ft 11.000 ppg 6,000 psi

Tension is based on air weight. Neutral point: 7.295 ft

Next setting BHP: Fracture mud wt: Fracture depth: Injection pressure:

19.250 ppg 10,500 ft 10,500 psi

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Cost (\$)
1	8 5 15	` 7	26.00	P-110	LT&C	8515	8515	6.151	88513
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (kips)	Strength (kips)	Design Factor
1	4202	6230	1.483	5563	9950	1.79	221.4	693	3.13 J

Prepared

Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: November 8,2011 Salt Lake City, Utah

Collapse is based on a vertical depth of 8515 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

43013506910000state 6-4-3-1W

Minimum design factors:

Operator:

Newfield Production Company

String type:

Production Liner

Project ID:

43-013-50691

Location:

DUCHESNE COUNTY

Environment:

Collapse

Mud weight:

Design parameters:

Collapse: Design factor H2S considered?

No 74 °F

11.000 ppg Design is based on evacuated pipe.

1.125

Surface temperature: Bottom hole temperature:

Non-directional string.

221 °F

Temperature gradient:

1.40 °F/100ft

Minimum section length: 1,000 ft

Burst:

Design factor

1.00 Cement top: 8,880 ft

Burst

Max anticipated surface pressure:

3,690 psi

Liner top:

8,315 ft

Internal gradient: Calculated BHP

No backup mud specified.

0.220 psi/ft 6,000 psi

Tension: 8 Round STC:

1.80 (J) 1.80 (J)

Buttress: Premium: Body yield:

8 Round LTC:

1.60 (J) 1.50 (J) 1.60 (B)

Tension is based on air weight.

Neutral point:

10,138 ft

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length (ft)	Size (ìn)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Cost (\$)
1	2200	4.5	11.60	P-110	LT&C	10500	10500	3.875	10600
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (kips)	Strength (kips)	Design Factor
1	6000	7580	1.263	6000	10690	1.78	25.5	279	10.93 J

Prepared

by:

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357

Date: November 8,2011

FAX: 801-359-3940

Salt Lake City, Utah

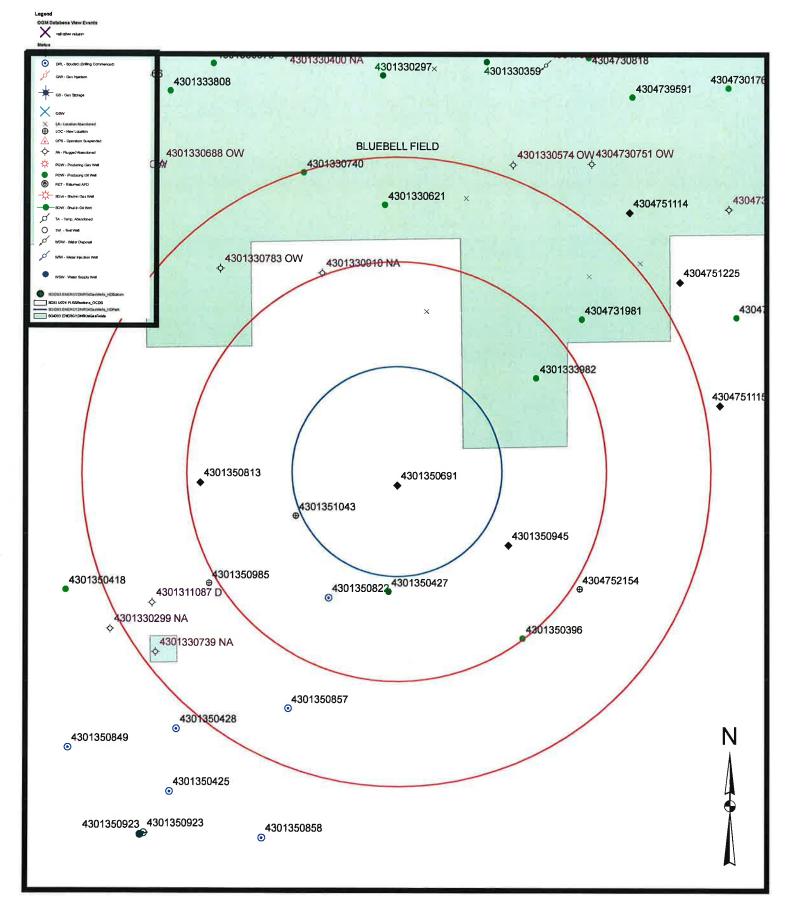
Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 10500 ft, a mud weight of 11 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Moll Name		Newfield S	ST 6-4-3-1W (rev	(rev 11-2011) API 43-013-50691-0000
Well Walle			T'ı	API 43-013-50691-00
		String 1	String 2	175
Casing Size (")		8/9 6	2	4 1/2
Setting Depth (TVD)		1000	8515	
Previous Shoe Setting Depth (TVD)	0)	9		
Max Mud Weight (ppg)		8.33	9.5	11
BOPE Proposed (psi)		1000	5	0 2000
Casing Internal Yield (psi)		3520	9950	0 6 6 6 0
Operators Max Anticipated Pressure (psi)	ıre (psi)	5733		10.5 ppg
Calculations				
Calculations	String 1	8/9 6		
Max BHP [psi]	.052*Setting Depth*MW =	433		
			BOPE Adequate	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	313		Annular Diverter head
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	213		70
			*Can Full Expec	*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth) =	226		200
Required Casing/BOPE Test Pressure		1000 psi	psi	
*Max Pressure Allowed @ Previous Casing Shoe	ous Casing Shoe =	09	60 psi	*Assumes 1psi/ft frac gradient
Calculations	String 2	7		
Max BHP [psi]	.052*Setting Depth*MW =	4206		
			BOPE Adequate	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	3185		5M double ram, 5M annular rotating head.
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	2333		02
			*Can Full Expec	*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth) =	2553		(Leusonalo) E
Required Casing/BOPE Test Pressure	ssure	5000 psi		
*Max Pressure Allowed @ Previous Casing Shoe =	ous Casing Shoe =	1000 psi	psi	*Assumes 1psi/ft frac gradient
Caiculations	String 3	4 1/2		
Max BHP [psi]	.052*Setting Depth*MW =	9009		
			BOPE Adequate	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	4746	_	5M double ram. 5M annular rotating head
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	3698	YES	20
			*Can Full Expec	*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth) =	5569		70
Required Casing/BOPE Test Pressure	ssure	5000 psi	psi	
*Max Pressure Allowed @ Previous Casing Shoe =	ous Casing Shoe =	8515 psi	DSI	*Assumes 10si/ft frac gradient

Injection Well Area of Review



Newfield Production Company State 6-4-3-1W SE/NW Section 4, T3S, R1W Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta surface
Green River 3,970'
Garden Gulch member 6,900'
Wasatch 9,100'
TD 10,500'

2. Depth to Oil, Gas, Water, or Minerals

Base of moderately saline 3,031' (water)
Green River 6,900' - 9,100' (oil)
Wasatch 9,100' - TD (oil)

3. Pressure Control

Section BOP Description

Surface 12-1/4" diverter

Interm/Prod The BOP and related equipment shall meet the minimum requirements of Onshore

Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc

for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least

5,000 psi will be used.

4. Casing

Description	Interval		Weight	Grade	C	Pore Press @	MW @	Frac Grad	Safety Factors			
Description	Top	Bottom	(ppf)	Grade	Coup	Shoe	Shoe	@ Shoe	Burst	Collapse	Tension	
Conductor	0'	60'	37	H-40	Weld							
14	U	00	31	11-40	Weld							
Surface	0'	1,000'	36	J-55	STC	8.33	8.33	12	3,520	2,020	394,000	
9 5/8	U	1,000	30	1-33	SIC	6.33	6.33	12	6.27	6.35	10.94	
Intermediate	0'	0.5151	26	P-110	LTC	9	9.5	15	9,960	6,210	693,000	
7	U	8,515'	20	P-110	LIC	9	9.5	15	2.62	1.85	3.13	
Production	0.2151	10.500!	11.6	D 110	LTC	10.5	11		10,690	7,560	279,000	
4 1/2	8,315'	10,500'	11.6	P-110	LTC	10.5	11		2.28	1.53	2.29	

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)

Intermediate casing MASP = (reservoir pressure) - (gas gradient)

Production casing MASP = (reservoir pressure) - (gas gradient)

All collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.1 psi/ft

All casing shall be new.

All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

5. Cement

Job	Hole Size Fill Slurry Description		ft ³	OH excess	Weight	Yield		
JOD	Hole Size	FIII	Starry Description	sacks	OH excess	(ppg)	(ft ³ /sk)	
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello	41	15%	15.8	1.17	
Conductor	1/1/2	00	Flake	35	1370	13.6	1.17	
Surface	12 1/4	500'	Premium Lite II w/ 3% KCl + 10%	180	15%	11.0	3.53	
Lead	12 1/4	300	bentonite	51	1370	11.0	3.33	
Surface	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello	180	15%	15.8	1.17	
Tail	12 1/4	300	Flake	154	13%	13.8	1.17	
Intermediate	8 3/4	5,900'	Premium Lite II w/ 3% KCl + 10%	1020	15%	11.0	2.52	
Lead	0 3/4	3,900	bentonite	289	1370	11.0	3.53	
Intermediate	8 3/4	1,615'	50/50 Poz/Class G w/ 3% KCl + 2%	279	15%	14.3	1.24	
Tail	0 3/4	1,013	bentonite	225	15%	14.5	1.24	
Production	6 1/9	2 1951	50/50 Poz/Class G w/ 3% KCl + 2%	237	15%	14.3	1.24	
Tail	Fail 6 1/8 2,185'		bentonite	191	13%	14.3	1.24	

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the intermediate and production casing strings will be calculated from an open hole caliper log, plus 15% excess.

6. Type and Characteristics of Proposed Circulating Medium

<u>Interval</u> <u>Description</u>

Surface - 1,000'

An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.

1,000' - TD

A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

Anticipated maximum mud weight is 11.0 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the

surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBTD to the

cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

8. Anticipated Abnormal Pressure or Temperature

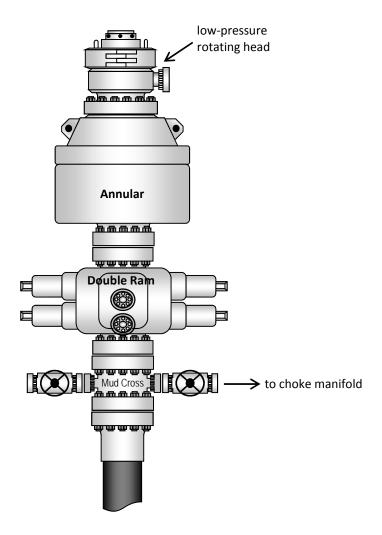
Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.55 psi/ft gradient.

No abnormal temperature is expected. No H₂S is expected.

9. Other Aspects

This is planned as a vertical well.

Typical 5M BOP stack configuration



NEWFIELD EXPLORATION COMPANY

STATE #6-4-3-1W

LOCATED IN DUCHESNE COUNTY, UTAH **SECTION 4, T3S, R1W, U.S.B.&M.**

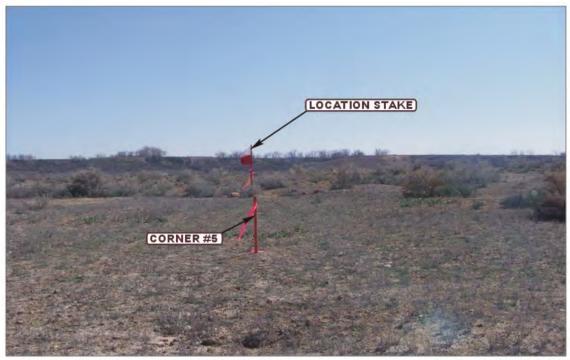


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY

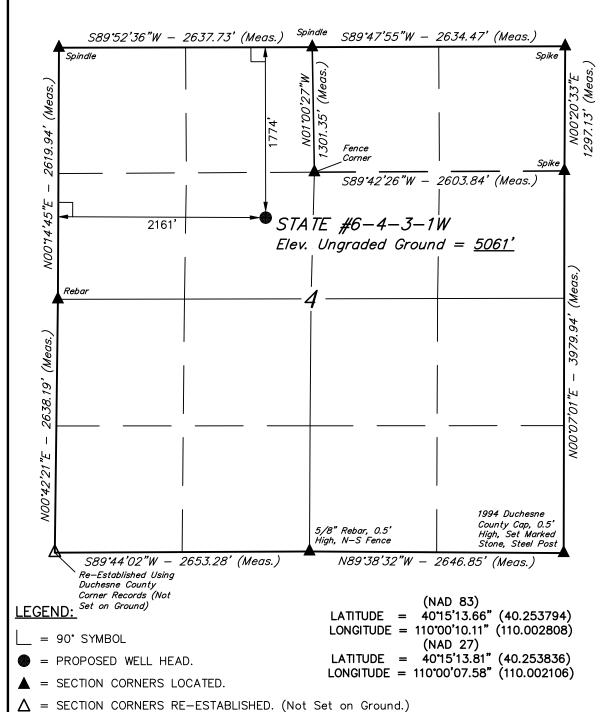


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



T3S, R1W, U.S.B.&M.



NEWFIELD EXPLORATION COMPANY

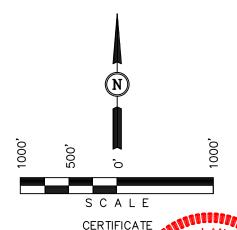
Well location, STATE #6-4-3-1W, located as shown in the SE 1/4 NW 1/4 of Section 4, T3S, R1W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME AND TRUE AND CORRECT BEST OF MY KNOWLEDGE AND BELIEF

REVISED: 10-13-11 REVISED: 04-19-11 REVISED: 04-18-11 REGISTERED LAND SURVEYOR REGISTRATION NO.

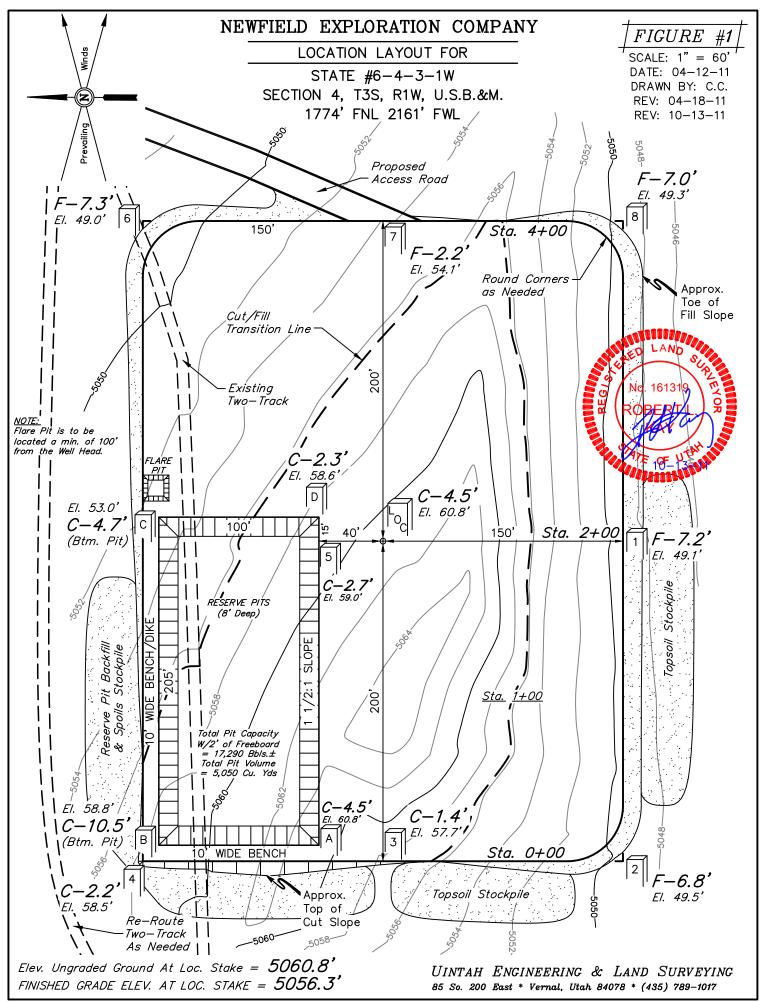
LAND UINTAH ENGINEERING SURVEYING 85 SOUTH 200 EAST -VERNAL, UTAH 84078

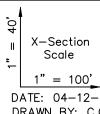
(435) 789-1017

SCALE DATE SURVEYED: DATE DRAWN: 1" = 1000'04 - 08 - 1104 - 12 - 11REFERENCES PARTY C.W. C.C. T.A. G.L.O. PLAT FILE WEATHER

COOL

NEWFIELD EXPLORATION COMPANY



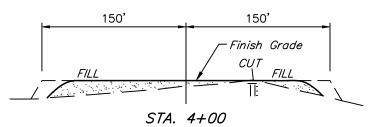


DATE: 04-12-11 DRAWN BY: C.C. REV: 04-18-11 REV: 10-13-11

NEWFIELD EXPLORATION COMPANY

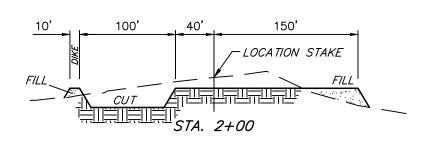
TYPICAL CROSS SECTIONS FOR STATE #6-4-3-1W SECTION 4, T3S, R1W, U.S.B.&M.

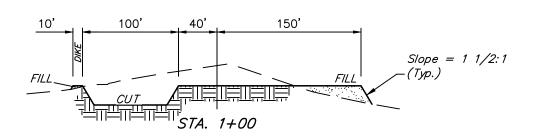
1774' FNL 2161' FWL

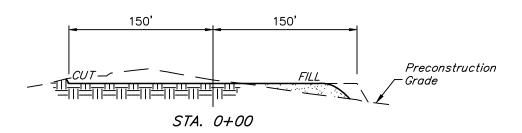




FIGURE







NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = \pm 4.110 ACRES ACCESS ROAD DISTURBANCE = \pm 2.143 ACRES PIPELINE DISTURBANCE = ± 2.508 ACRES $TOTAL = \pm 8.761 ACRES$

* NOTE: FILL QUANTITY INCLUDES 5% FOR COMPACTION

O Cu. Yds.

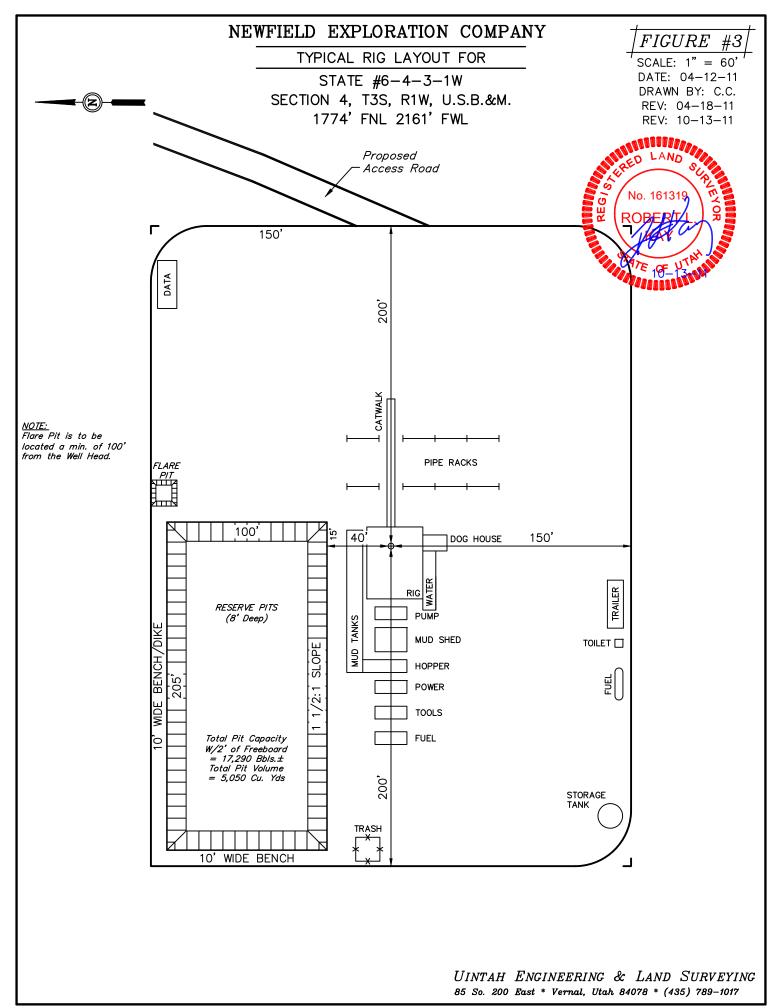
APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,480 Cu. Yds. Remaining Location = 11,910 Cu. Yds. TOTAL CUT

14,390 CU.YDS. **FILL** 9,380 CU.YDS. EXCESS MATERIAL 5,010 Cu. Yds. Topsoil & Pit Backfill 5,010 Cu. Yds. (1/2 Pit Vol.)

EXCESS UNBALANCE (After Interim Rehabilitation)

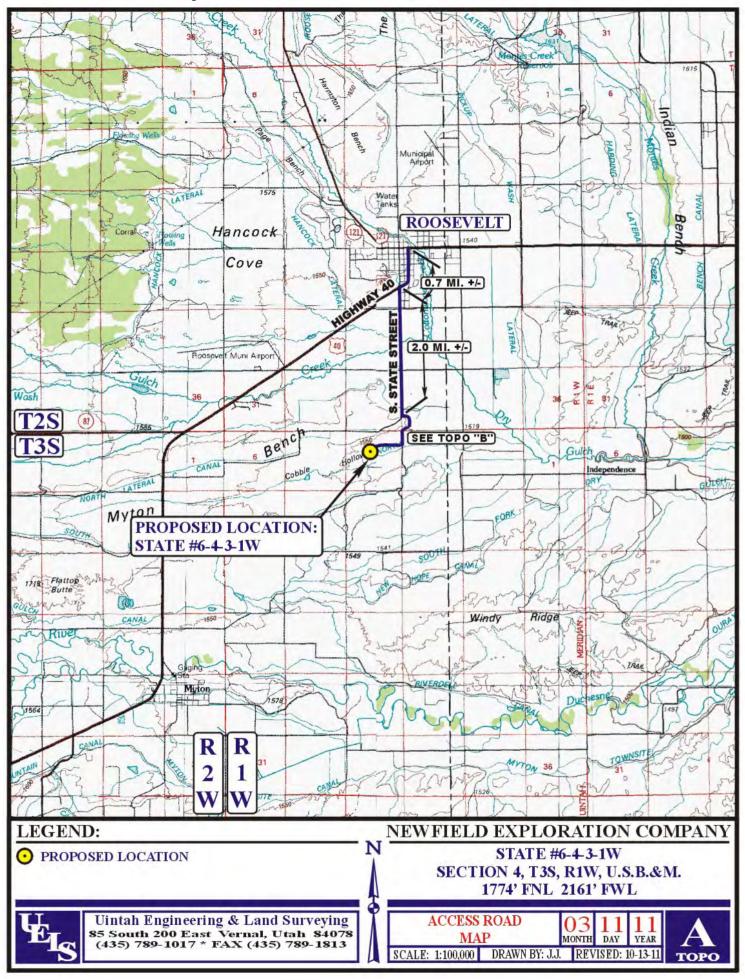
UINTAH ENGINEERING & LAND SURVEYING 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

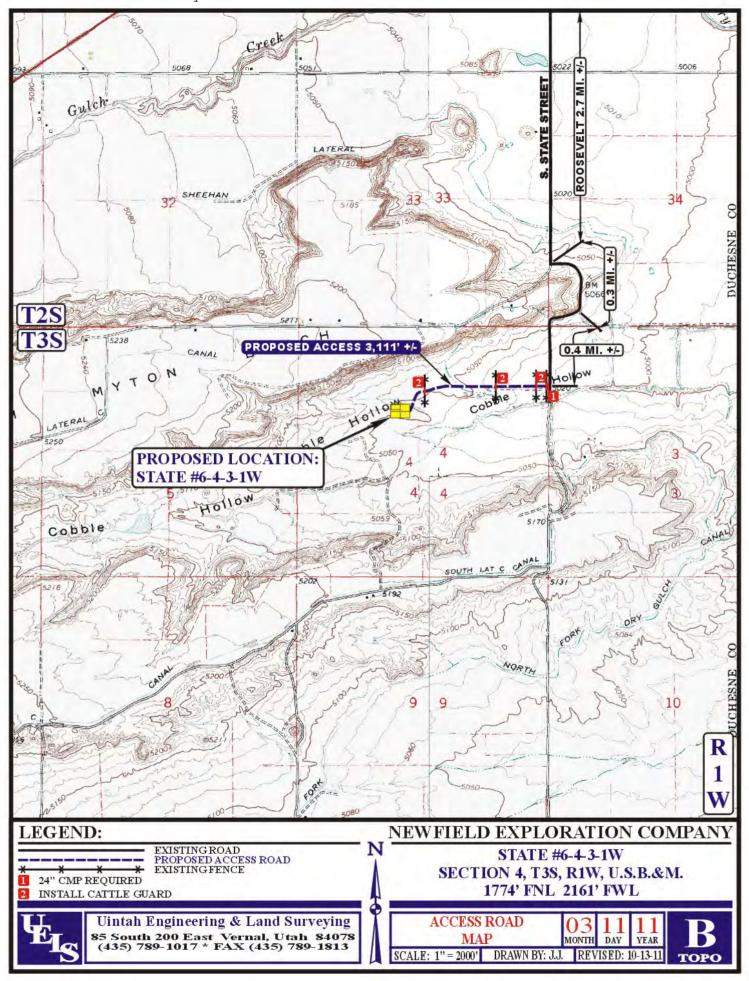


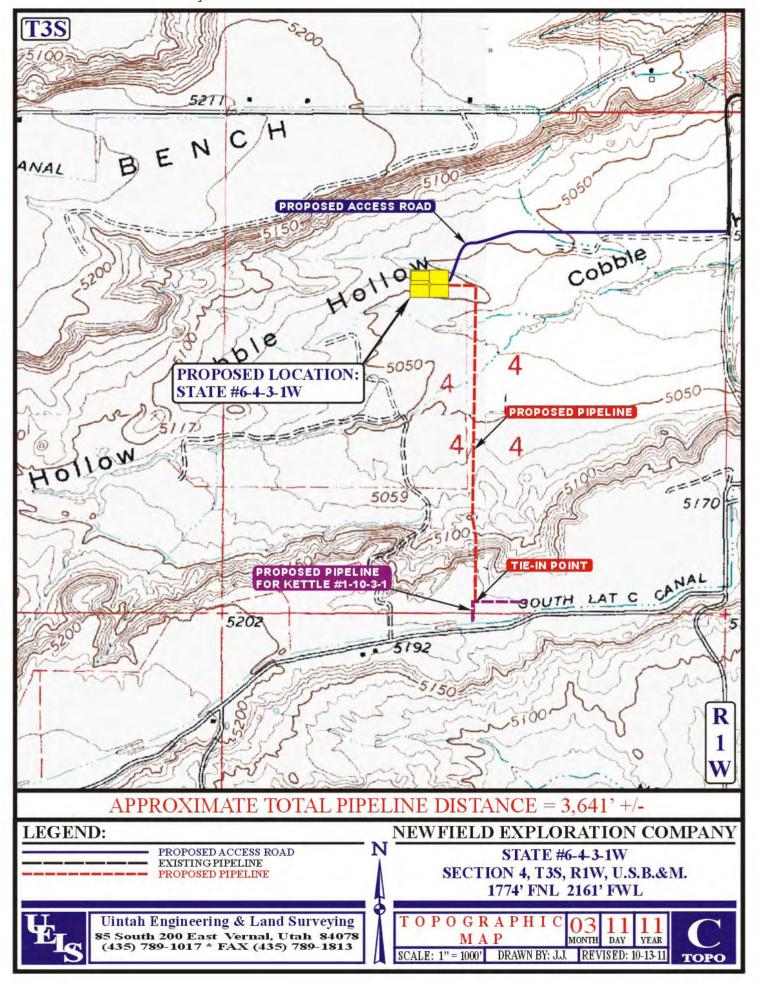
NEWFIELD EXPLORATION COMPANY STATE #6-4-3-1W SECTION 4, T3S, R1W, U.S.B.&M.

PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION FROM ROOSEVELT, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND S. STATE STREET TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHELY DIRECTION APPROXIMATELY 2.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 3,111' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM ROOSEVELT, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 4.0 MILES.







BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration | Rig Name/# Ross 29 Submitted By Branden Arnold Phone Number 435-401-0223 Well Name/Number South Altamont State 6-4-3-1W Otr/Otr SE/NW Section 4 Township 3S Range 1W Lease Serial Number ML51433 API Number 43-013-50691 Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string. Date/Time $\underline{11/10/11}$ $\underline{10:00}$ AM \boxtimes PM \square <u>Casing</u> – Please report time casing run starts, not cementing times. **Surface Casing Intermediate Casing Production Casing** Liner Other Date/Time 3:00 3:00 AM \square PM \bowtie **BOPE** Initial BOPE test at surface casing point BOPE test at intermediate casing point 30 day BOPE test Other AM | PM | Date/Time Remarks

STATE OF UTAH

	5. LEASE DESIGNATION AND SERIAL NUMBER: State 6-4-3-1		
SUNDRY	Y NOTICES AND REPO	ORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	rill new wells, significantly deepen existing wells be tal laterals. Use APPLICATION FOR PERMIT TO		7. UNIT or CA AGREEMENT NAME: UINTA CB - WASATCH DEEP
1. TYPE OF WELL: OIL WELL	GAS WELL OTHER		8. WELL NAME and NUMBER: STATE 6-4-3-1W
2. NAME OF OPERATOR:			9. API NUMBER:
NEWFIELD PRODUCTION COM	MPANY		4301350691
3. ADDRESS OF OPERATOR:		PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:
Route 3 Box 3630	CITY Myton STATE UT	ZIP 84052 435.646.3721	UINTA CENTRAL BASIN
4. LOCATION OF WELL: FOOTAGES AT SURFACE:			COUNTY: DUCHESNE
OTR/OTR, SECTION, TOWNSHIP, RANGE	E. MERIDIAN: SENW, 4, T3S, R1W		STATE: UT
CHECK APPRO	PRIATE BOXES TO INDICATI	E NATURE OF NOTICE, RE	EPORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will	CASING REPAIR	NEW CONSTRUCTION	TEMPORARITLY ABANDON
- FF Samuel - Market - Mark	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLAIR
X SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/STOP)	WATER SHUT-OFF
Date of Work Completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	X OTHER: - Spud Notice
11/22/2011	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATI	
TUBBET	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATI	ON
On 11/13/11 MIRU Ross #	sks of class "G" w/ 2% CaCL2 + 0.25	f 17 1/2" hole with air mist. TIH V	V/ 2 Jt's 14" H-40 37# csgn. Set @ 78. On
NAME (PLEASE PRINT) Branden Arno	ld	TITLE	
	1-100	11/22/2011	

(This space for State use only)

RECEIVED NOV 2 2 2011 ADDRESS: RT. 3 BOX 3630 MYTON, UT 84052

ACTION	CURRENT	NEW	API NUMBER	WELL NAME	<u></u>		WELL	OCATION		SPUD
CODE	ENTITY NO.	ENTITY NO.	71110111211		uq	SC	TP	RG	COUNTY	DATE
В	99999	18331	4301350691	STATE 6-4-3-1W	SENW	4	38	1W	DUCHESNE	11/10/2011
WELL 1 C	OMMENTS: GR	WS							٠	11/30/11
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	qq	WE SC	LL LOCAT	ION RG	COUNTY	SPUD DATE
В	99999	18332	4301350923	LAMB 9-24-3-2	NESE	24	38	2W	DUCHESNE	11/10/2011
	Ws'	MVD		BHL: NE.	SE.					11/30/11
ACTION B	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	qq	SC	WELLI	OCATION RG	COUNTY	SPUD DATE
В	99999	18333	4301350813	WHITE 7-6-3-1W	SWNE	6	38	1W	DUCHESNE	11/18/2011
	WSTO	2								11/30/11
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	sc	WELL I	OCATION	COUNTY	SPUD DATE
В	99999	17400	4301350681	GMBU J-10-9-16	NWNW	10	98	16E	DUCHESNE	11/22/2011
	GRRV			BHL = Se	c10	St	ENG	=		1/30/11
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	sc	WELL I	OCATION	COUNTY	SPUD DATE
В	99999	17400	4301350726	GMBU L-7-9-16	NWSE	7	95	16E	DUCHESNE	11/21/2011
	GREN	1 11 100 1		BHL				,	<u> </u>	11/30/11
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	Sc	WELL.	LOCATION	COUNTY	SPUD DATE ·
		V	4301350738	GMBU E-8-9-16	SESE	6	98		DUCHESNE	
В	99999	17400	4301330736			1 /-		<u>. </u>	1	
	GRRV		- IOLAH MARG	T WELL NAME	= Sec		LL LOCA	WHI	ω	11/30/11
CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER		QQ	SC	TP	RG	COUNTY	DATE
В	99999	17400	4301350740	GNBU P-5-9-16	SESE	9	98	16F	DUCHESNE	11/21/2011
	GRRV	17400	4001000140		= Sec			A		11/30/11 -
ACTION	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ		LL LOCA		COUNTY	SPUD DATE
		V	4301350731	GMBU F-7-9-16	SENE	12	06	15E	DUCHESNE	11/25/2011
B	99999 (FREV	17400	4301330731	BH-R	16E .	Sec.			NW -	11/25/2011
ACTION	CURRENT	NEW	API NUMBER	WELL NAME			WELL	LOCATION		SPUD
CODE	ENTITY NO.	ENTITY NO.			SENE	12	TP	15E	COUNTY	DATE
В	99999	17400	4301350732	GMBU O-7-9-16	<u> </u>	7	95		DUCHESNE	
ACTION	CODES (See instructions	on back of form)	SRRV		Signature	1/12	DOM	או אוא אה	1011181	Angela Curry

COMFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

RECEIVED

NOV 3 0 2011

DIV. OF OIL, GAS & MINING

1/30/11 BH=R16ESec7 NWSLi

BLM - Vernal Field Office - Notification Form

Sundry Number: 26651 API Well Number: 43013506910000

	STATE OF UTAH		FORM 9
ı	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: ML51433
SUNDR	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly reenter plugged wells, or to drill horiz n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: STATE 6-4-3-1W
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43013506910000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-482	PHONE NUMBER: 25 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1774 FNL 2161 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SENW Section: (HIP, RANGE, MERIDIAN: 04 Township: 03.0S Range: 01.0W Me	ridian: U	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REP	DRT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
✓ DRILLING REPORT	TUBING REPAIR	☐ VENT OR FLARE ☐	☐ WATER DISPOSAL ☐
Report Date: 3/24/2012	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
The above well w	completed operations. Clearly show as placed on production of aced on pump on 03/24/20	n 02/18/2012 at 18:00	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 14, 2012
NAME (PLEASE PRINT)	PHONE NUM		
Jennifer Peatross	435 646-4885	Production Technician	
SIGNATURE N/A		DATE 6/8/2012	

Sundry Number: 26651 API Well Number: 43013506910000

A CANADA	STATE OF UTAH		FORM 9			
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER:			
	ML51433					
	RY NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL form	posals to drill new wells, significantly reenter plugged wells, or to drill horizo n for such proposals.	deepen existing wells below ntal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Oil Well		Note that the second se	8. WELL NAME and NUMBER: STATE 6-4-3-1W			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY		9. API NUMBER: 43013506910000			
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-4825	PHONE NUMBER: 5 Ext	9. FIELD and POOL or WILDCAT: WILDCAT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1774 FNL 2161 FWL			COUNTY: DUCHESNE			
QTR/QTR, SECTION, TOWNSI Qtr/Qtr: SENW Section: (HIP, RANGE, MERIDIAN: 04 Township: 03.0S Range: 01.0W Meri	dian: U	STATE: UTAH			
11. CHEC	K APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
П	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	D DEEPEN FRACTURE TREAT		NEW CONSTRUCTION			
	OPERATOR CHANGE	OPERATOR CHANGE DIEGO PLUG AND ABANDON				
SPUD REPORT Date of Spud:	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
Date of Space.	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON			
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL			
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
3/24/2012	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:			
12. DESCRIBE PROPOSED OR The above well w	completed operations. Clearly show a vas placed on production on 03/24/2012	all pertinent details including dates, o 02/18/2012 at 18:00 ho 2 at 11:30 hours.	depths, volumes, etc. urs, and placed on pump on			
			RECEIVED			
			JUN 2 1 2012			
			•			
			DIV. OF OIL, GAS & MINING			
NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUME 435 646-4885	ER TITLE Production Technician				
SIGNATURE N/A		DATE 6/8/2012				

Sundry Number: 30767 API Well Number: 43013506910000

	STATE OF UTAH		FORM 9
ı	DEPARTMENT OF NATURAL RESOURC DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: ML51433
SUNDR	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: STATE 6-4-3-1W
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43013506910000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-4825	PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1774 FNL 2161 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SENW Section: (HIP, RANGE, MERIDIAN: 04 Township: 03.0S Range: 01.0W Merio	dian: U	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT Report Date:	□ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
3/24/2012		STASTATUS EXTENSION	
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
The above well was	completed operations. Clearly show a s placed on production 02/1 np on 03/24/2012 at 11:30 h Sundry re-sent 10/07/201	8/2012 at 18:00 hours, ours. Production Start	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 09, 2012
NAME (DI EASE DDINIT)	DUONE NI IMP	ED TITI E	
NAME (PLEASE PRINT) Kaci Deveraux	PHONE NUMB 435 646-4867	ER TITLE Production Technician	
SIGNATURE N/A		DATE 10/7/2012	

Sundry Number: 30843 API Well Number: 43013506910000

	STATE OF UTAH		FORM 9
ι	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ		5.LEASE DESIGNATION AND SERIAL NUMBER: ML51433
SUNDR	Y NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	posals to drill new wells, significantly de reenter plugged wells, or to drill horizonta n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: STATE 6-4-3-1W
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY		9. API NUMBER: 43013506910000
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 200		HONE NUMBER: 303 382-4443 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1774 FNL 2161 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SENW Section: (IIP, RANGE, MERIDIAN: 04 Township: 03.0S Range: 01.0W Meridia	an: U	STATE: UTAH
11. CHECI	CAPPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
6/1/2012	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
1	■ WILDCAT WELL DETERMINATION	OTHER	OTHER: Site Facility/Site Security
12 DESCRIBE BRODOSED OR	COMPLETED OPERATIONS. Clearly show all		·
l .	ACHED REVISED SITE FACILITY		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 11, 2012
NAME (PLEASE PRINT)	PHONE NUMBER	R TITLE	
Jill L Loyle	303 383-4135	Regulatory Technician	
SIGNATURE N/A		DATE 10/8/2012	

Sundry Number: 30843 API Well Number: 43013506910000

Closed Closed Open

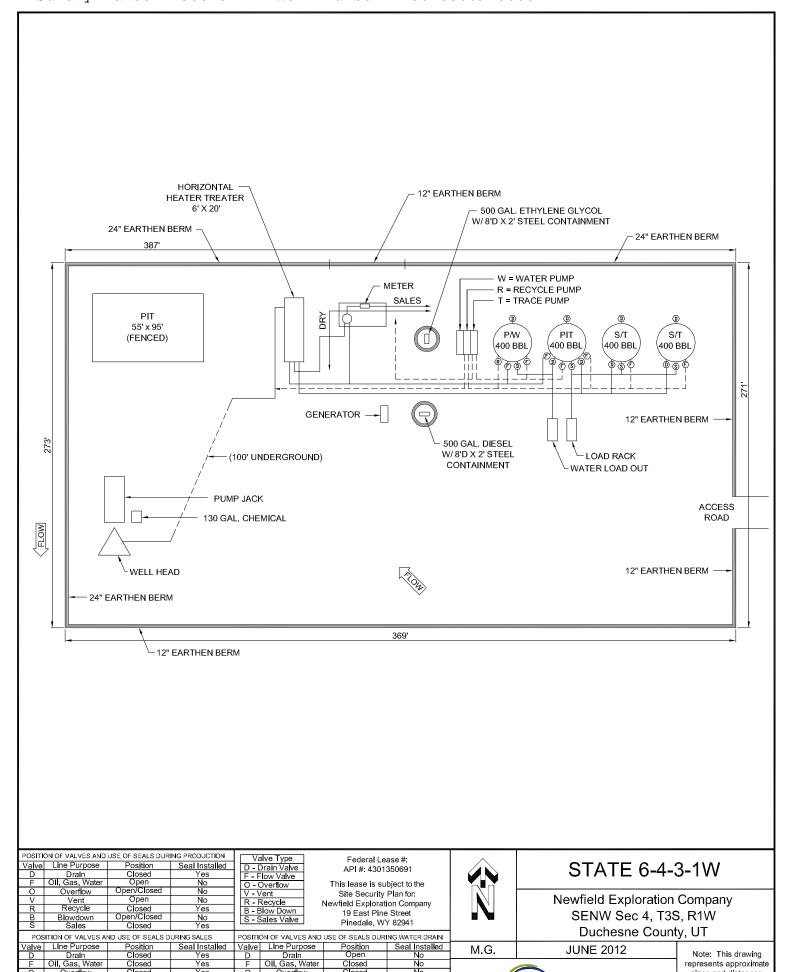
Closed

Closed Open

Overflow Vent Recycle

Yes

Yes No Yes



Closed Closed Open

Closed

Closed

No

Yes No

Overflow Vent Recycle

KLEINFELDER

Sundry Number: 30767 API Well Number: 43013506910000

	STATE OF UTAH		FORM 9		
ı	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: ML51433		
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL forn	oposals to drill new wells, significantly reenter plugged wells, or to drill horizo n for such proposals.	deepen existing wells below ntal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: STATE 6-4-3-1W		
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43013506910000		
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-482	PHONE NUMBER: 5 Ext	9. FIELD and POOL or WILDCAT: WILDCAT		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1774 FNL 2161 FWL			COUNTY: DUCHESNE		
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 04 Township: 03.0S Range: 01.0W Mer	idian: U	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
SPUD REPORT	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
✓ DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
3/24/2012	WILDCAT WELL DETERMINATION	OTHER	OTHER:		
42 DESCRIPE PROPOSED OR	COMPLETED OPERATIONS. Clearly show		depths, volumes, etc.		
The above well	was placed on production 0/2012 at 11:30 hours. Prod	2/18/2012 at 18:00 hour	rs, and placed on pump on		
NAME (PLEASE PRINT)	PHONE NUME				
Kaci Deveraux	435 646-4867	Production Technician			
SIGNATURE N/A		DATE 10/7/2012			

Daily Activity Report

Format For Sundry STATE 6-4-3-1W 1/1/2012 To 5/30/2012

1/3/2012 Day: 2

Completion

Rigless on 1/3/2012 - install the head and two way check, finish plumbing production lines to well head. Install frac tree. Spot frac tanks and light plants. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Check for pressure on casing to install tbg head. 350 psi on csg. BD in 15 min. SI csg and plan to install tbg head on 12-30-2010. Rechecked pressure @ 17:00- 250 psi. SI csg and recheck in the morning. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Bleed down 500 psi on casing to pit. Install tubing head and hanger with a two way check valve. Install production tree and excavate to find production lines. Finish plumbing production lines to well head and ND production tree. NU Frac tree and move frac tanks, catwalk and piperacks and light plants. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Check for pressure on casing to install the head. 350 psi on csq. BD in 15 min. SI csq. and plan to install tbg head on 12-30-2010. Rechecked pressure @ 17:00- 250 psi. SI csg and recheck in the morning. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Bleed down 500 psi on casing to pit. Install tubing head and hanger with a two way check valve. Install production tree and excavate to find production lines. Finish plumbing production lines to well head and ND production tree. NU Frac tree and move frac tanks, catwalk and piperacks and light plants.

Daily Cost: \$0

Cumulative Cost: \$2,600

1/5/2012 Day: 3 Completion

Rigless on 1/5/2012 - Test frac tree. Run CBL from liner top to surface. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 600#. Consult Engineering. Try to test casing to 8000#. Pumped 6 Bbls to pressure up to 2800# with the HO. Continued Pressuring up with WFD test unit pumping 20 gal to reach 3100#. Pumped another 120 gal with pressure holding @ 3100#. Consulted Engineering. SWI and charted pressures for 30 min. Pressure stayed @ 3100#. Bled off pressure and SWI. Charted pressures. Pressure build after 10 min. @ 400# and 500# after 30 min. FSIP after 2.5 hrs @ 650#. SWIFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 600#. Consult Engineering. Try to test casing to 8000#. Pumped 6 Bbls to pressure up to 2800# with the HO. Continued Pressuring up with WFD test unit pumping 20 gal to reach 3100#. Pumped another 120 gal with pressure holding @ 3100#. Consulted Engineering. SWI and charted pressures for 30 min. Pressure stayed @ 3100#. Bled off pressure and SWI. Charted pressures. Pressure build after 10 min. @ 400# and 500# after 30 min. FSIP after 2.5 hrs @ 650#. SWIFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 525#. BD well with hydocarbons @ surface. MIRU The Perforators. MIRU WFD test unit and test Frac Tree as per recommended procedures against two-way check in tbg hanger. Dry rod the hanger out of the tubing head. MIRUHOT. Run CBL on wireline. Only had Open Hole Logs with a TD to 8477'. Had to call Halliburton to get the finalized Open Hole Log delivered to location. Continued to RIH tagging up solid @ 9485'. Consulted with Engineering. Ran CBL from 9485' correlating to the liner top while waiting for the finalized OHL to be delivered. Kept the well full trickling in with the HO. Finalized OHL showed up @ 16:45. Finished CBL from the liner top to surface. Pulled a piece of 4.5" metal strap out of the CBL that looked like backup rings on the element for the liner

packer. SWIFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point, SICP @ 525#, BD well with hydocarbons @ surface. MIRU The Perforators. MIRU WFD test unit and test Frac Tree as per recommended procedures against two-way check in tbg hanger. Dry rod the hanger out of the tubing head. MIRUHOT. Run CBL on wireline. Only had Open Hole Logs with a TD to 8477'. Had to call Halliburton to get the finalized Open Hole Log delivered to location. Continued to RIH tagging up solid @ 9485'. Consulted with Engineering, Ran CBL from 9485' correlating to the liner top while waiting for the finalized OHL to be delivered. Kept the well full trickling in with the HO. Finalized OHL showed up @ 16:45. Finished CBL from the liner top to surface. Pulled a piece of 4.5" metal strap out of the CBL that looked like backup rings on the element for the liner packer. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$15,239

1/6/2012 Day: 5 Completion

Rigless on 1/6/2012 - Set CBP below liner top, Break down Frac tree, MI WOR, tanks, pump. catwalk, piperacks and swivel. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. RU The Perforators and RIH to set CBP in 4.5" liner. Could not get stung into the liner. Started pulling over on picking up off of the liner top so POOH to check plug. Plug looked like it was tagging the side of the liner top. RBIH with 3.80" guage ring and junk basket. Had to try a few times but made it through with the gauge ring and junk basket. POOH and RBIH with CBP and one more length of weight bars. Had to try about 20 times to jigg the plug into the liner. Set CBP @ 8250'. POOH RDMOWLT. MI and spot WOR. BD well to 0 psi and break down frac tree ready to remove in the morning. Tarped and heated WH. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$35,045

1/11/2012 Day: 8 Completion

WWS #5 on 1/11/2012 - TIH, Circ, and set liner packer. Test backside csq and pull 5 jts. Test liner pkr against BOPS to 5K. BO pressure and SWIFWE. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP 800. ND Frac tree, MUNU 10K/5K spool, and 5K shaffer BOPS w/ washington head. Pressure test BOPS to 5000k. RU floor and tbg works. Tally and PU Paddle Mill and polish bore string mill, 1 jts 2-7/8, NX nipple, 1 it 2-7/8, X nipple and 259 its 2-7/8" EUE L-80 tbg. Tagged up on the PBR and LD 2 its. EOT @ 8085'. SWIFN and drain lines and hoses. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP 800. ND Frac tree, MUNU 10K/5K spool, and 5K shaffer BOPS w/ washington head. Pressure test BOPS to 5000k. RU floor and tbg works. Tally and PU Paddle Mill and polish bore string mill, 1 jts 2-7/8, NX nipple, 1 jt 2-7/8, X nipple and 259 jts 2-7/8" EUE L-80 tbg. Tagged up on the PBR and LD 2 jts. EOT @ 8085'. SWIFN and drain lines and hoses. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point.SICP 700, SITP 800. Pump 30 BW down tbg. Cont TIH w/ 115 jts 2-7/8" tbg. Circ hole w/ fresh wtr. Sting into linertop and tag PBR. Take measure and stroke bumper sub. Set liner pkr w/ 54,000# down. Test csq to 2000# for 20 min. LD 5 jts and test liner pkr to 5000# against BOPS for 20 min. EOT @ 7974'. SWIFWE and drain lines and pump. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP 0, SITP 0. RU swivel and RIH to buff PBR and dress linertop. Rack out swivel and POOH w/ 259 its 2-7/8" EUE tbg. LD string mill and paddle mill. RBIH w/ new 4.5" seal assembly, 7" liner packer and PBR, setting tool, bumper sub and 26 4-3/4" 50# drill collars, and 118 jts 2-7/8" EUE L-80 tbg. EOT @ 4515'. SWIFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point.SICP 700, SITP

800. Pump 30 BW down tbg. Cont TIH w/ 115 jts 2-7/8" tbg. Circ hole w/ fresh wtr. Sting into linertop and tag PBR. Take measure and stroke bumper sub. Set liner pkr w/ 54,000# down. Test csq to 2000# for 20 min. LD 5 its and test liner pkr to 5000# against BOPS for 20 min. EOT @ 7974'. SWIFWE and drain lines and pump. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point, SICP 0, SITP 0. RU swivel and RIH to buff PBR and dress linertop. Rack out swivel and POOH w/ 259 jts 2-7/8" EUE tbg. LD string mill and paddle mill. RBIH w/ new 4.5" seal assembly, 7" liner packer and PBR, setting tool, bumper sub and 26 4-3/4" 50# drill collars, and 118 its 2-7/8" EUE L-80 tbg. EOT @ 4515'. SWIFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP 0, SITP 0. RU swivel and RIH to buff PBR and dress linertop. Rack out swivel and POOH w/ 259 its 2-7/8" EUE tbg. LD string mill and paddle mill. RBIH w/ new 4.5" seal assembly, 7" liner packer and PBR, setting tool, bumper sub and 26 4-3/4" 50# drill collars, and 118 jts 2-7/8" EUE L-80 tbg. EOT @ 4515'. SWIFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point.SICP 700, SITP 800. Pump 30 BW down tbg. Cont TIH w/ 115 its 2-7/8" tbg, Circ hole w/ fresh wtr. Sting into linertop and tag PBR. Take measure and stroke bumper sub. Set liner pkr w/ 54,000# down. Test csg to 2000# for 20 min. LD 5 jts and test liner pkr to 5000# against BOPS for 20 min. EOT @ 7974'. SWIFWE and drain lines and pump. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP 800. ND Frac tree, MUNU 10K/5K spool, and 5K shaffer BOPS w/ washington head. Pressure test BOPS to 5000k. RU floor and tbg works. Tally and PU Paddle Mill and polish bore string mill, 1 its 2-7/8, NX nipple, 1 it 2-7/8, X nipple and 259 its 2-7/8" EUE L-80 tbg. Tagged up on the PBR and LD 2 jts. EOT @ 8085'. SWIFN and drain lines and hoses.

Daily Cost: \$0

Cumulative Cost: \$78,257

1/12/2012 Day: 10

Completion

WWS #5 on 1/12/2012 - Cont POOH w/ 2-7/8" tbg, drill collars, bumper sub and setting tools. RBIH w/ 2-3/8" drill string. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP and SITP @ 0. MIRUHO. Steam off rig equipment. LD 67 jts 2-7/8" L-80 tbg. SD to MIRU WFD test unit. Test csg to 7000# for 30 min. RDMO WFD test unit and cont LD 187 its. SWIFN. Drain lines and pump. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP and SITP @ 0. MIRUHO. Steam off rig equipment. LD 67 jts 2-7/8" L-80 tbg. SD to MIRU WFD test unit. Test csg to 7000# for 30 min. RDMO WFD test unit and cont LD 187 its. SWIFN. Drain lines and pump. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP and SITP @ 0. LD 1 jt 2-7/8" tbg 26 drill collars, bumper sub and setting tool. Load drill collars onto float. Load racks with 2-3/8" P-110 drill string. Tally and RIH w/ 3-7/8" rock bit, bitsub, 1 jt, XN nipple, 1 jt, X nipple, and 156 its 2-3/8" tbg. SWIFN. EOT @ 4980'. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP and SITP @ 0. MIRUHO, Steam off rig equipment, LD 67 jts 2-7/8" L-80 tbg. SD to MIRU WFD test unit. Test csq to 7000# for 30 min. RDMO WFD test unit and cont LD 187 jts. SWIFN. Drain lines and pump. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP and SITP @ 0. LD 1 jt 2-7/8" tbg 26 drill collars, bumper sub and setting tool. Load drill collars onto float. Load racks with 2-3/8" P-110 drill string. Tally and RIH w/ 3-7/8" rock bit, bitsub, 1 jt, XN nipple, 1 jt, X nipple, and 156 jts 2-3/8" tbg. SWIFN. EOT @ 4980'. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP and SITP @ 0. LD 1 jt 2-7/8" tbg 26 drill collars, bumper sub and setting tool. Load drill collars onto float. Load racks with 2-3/8" P-110 drill string. Tally and RIH w/ 3-7/8" rock bit, bitsub, 1 jt, XN nipple, 1 jt, X nipple, and 156 its 2-3/8" tbg. SWIFN. EOT @ 4980'. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP and SITP

@ 0. Cont to RIH w/ 105 its 2-3/8" P-110. Tag CBP @ 8250'. RU drill equip and DO CBP in 25 min. Circ well clean pumping a polymer sweep. RIH to tag cement @ 9508'. Fell through and gained weight back @ 9510'. TIH to 9721'. Pump 20 Bbls polymer sweep and circ well clean. TOOH w/ 28 stands. SWIFN. EOT @ 7956'. Drain pump and lines. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP and SITP @ 0. Cont to RIH w/ 105 jts 2-3/8" P-110. Tag CBP @ 8250'. RU drill equip and DO CBP in 25 min. Circ well clean pumping a polymer sweep. RIH to tag cement @ 9508'. Fell through and gained weight back @ 9510', TIH to 9721', Pump 20 Bbls polymer sweep and circ well clean. TOOH w/ 28 stands. SWIFN. EOT @ 7956'. Drain pump and lines. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point, SICP and SITP @ 0. Cont to RIH w/ 105 its 2-3/8" P-110. Tag CBP @ 8250'. RU drill equip and DO CBP in 25 min. Circ well clean pumping a polymer sweep. RIH to tag cement @ 9508'. Fell through and gained weight back @ 9510'. TIH to 9721'. Pump 20 Bbls polymer sweep and circ well clean. TOOH w/ 28 stands. SWIFN. EOT @ 7956'. Drain pump and lines.

Daily Cost: \$0

Cumulative Cost: \$89,115

1/13/2012 Day: 12

Completion

WWS #5 on 1/13/2012 - DO/CO to PBTD. Circ clean and POOH laying down. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP and SITP @ 0. TIH w/28 stands. PU and RIH w/ 2 jts to tag. Circ down csg up tbg and drill through bridge. RIH on swvl w/ 9 jts to tag bridge @ 10053'. Circ down csg up tbg and drill through bridge. TIH on swvl w/ 5 its to tag bridge @ 10208'. Circ down csg up tbg and drill through. TIH on swyl to PBTD. PU 2' and Circ down csg up tbg w/ 20 bbl polymer sweep. Rack out swyl and POOH LD w/ 169 jts 2-3/8" P-110. SWIFN. Drain pump and lines.

Daily Cost: \$0

Cumulative Cost: \$103,478

1/16/2012 Day: 13

Completion

WWS #5 on 1/16/2012 - POOH w/ drill string, pressure test csg, RDWOR, RUWLT, run CBL under pressure. SDFWE. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP and SITP @ 0. Cont LD 159 jts 2-3/8" P-110 tbg. LD X and XN nipples, bit sub, and 3-7/8" rock bit. Transfer tbg to pipe racks on the side of location. Land hanger and MIRU WFR test unit. Pressure up well to 5000K with rig pump and test csg to 7000K for thirty minutes. BO well and pull hanger out of tbg head. ND BOPS and 5-10K x-over spool. SWI. RDMOWOR. MIRUWLT. Test pressure equip and RIH to run CBL under 5000K pressure. Finish CBL. SWIFWE. RDMOWLT.

Daily Cost: \$0

Cumulative Cost: \$116,542

1/18/2012 Day: 15

Completion

Rigless on 1/18/2012 - Hauled in and heated fresh water for the frac. Found 45# pressure at surface as well as hydrocarbons. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Well still in evaluation by engineering. Hauling in fresh water for the Frac started heating water to 70 degrees. SICP @ 45 lbs. There is also oil back to surface. Reported back to engineering. SWIFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Well still in evaluation by engineering. Hauling in fresh water for the Frac started heating water to 70 degrees. SICP @ 45 lbs. There is also oil back to surface. Reported back to engineering. SWIFN. - Safety Meeting, discussed location hazards, recent

NFX incidents, job procedure, emergency plans, meeting point. MIRU Perforators crane to RU Frac tree. MIRU WFD torque and test unit to NU and test Frac tree. Directed by engineering to not RU the frac tree. RD WFD and The Perforators crane. Haul in fresh water, move equipment and start trenching for the artificail lift line. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. MIRU Perforators crane to RU Frac tree. MIRU WFD torque and test unit to NU and test Frac tree. Directed by engineering to not RU the frac tree. RD WFD and The Perforators crane. Haul in fresh water, move equipment and start trenching for the artificail lift line.

Daily Cost: \$0

Cumulative Cost: \$153,316

1/20/2012 Day: 16

Completion

Rigless on 1/20/2012 - BO well and monitor SI pressure. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 100#. BO well and shut in for a 24 hr SI test. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 100#. BO well and shut in for a 24 hr SI test. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 975#. Couldn't BO well because of construction ooperations. Tarped the well back in and prepped location for Halliburton WLT. Baker Hughes Oil Tools Invoice for \$17,105.41 is coded to 881-310. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 975#. Couldn't BO well because of construction ooperations. Tarped the well back in and prepped location for Halliburton WLT. Baker Hughes Oil Tools Invoice for \$17,105.41 is coded to 881-310. - Safety Meeting @ 6:00, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 1000#. RU flowback line and BO well to pit. Well BD in about 1 minute with +/- 1.5 bbls of oil followed by 2 bw surging for about then ten seconds then dieing. SWI and monitor pressure. MIRU WFD test unit and Preferred HO. MIRU Halliburton E-line. SICP @ 100 psi in 2.5 hrs. BO well to pit. RIH and run CAST-M log correlated to the Perforators CBL log. CAST-M log ran in CIM(csg inspection mode) with 60 shots/ 4 scans/ft, head 3-1/8" OD as follows: Scan 1: from PBTD to 10,000' - no pressure. Scan 2: from PBTD to 10,000'; Scanned @ 5000 psi. Scan 3: from PBTD to 8050'; Scanned @ 5000 psi. BO WB to pit and POOH w/ WL. RDMO WFD test unit and Preffered HO, RDMO Halliburton E-Line truck, SWIFWE, Tarp and heat WH. SD light plants and leave location @ 21:00. - Safety Meeting @ 6:00, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 1000#. RU flowback line and BO well to pit. Well BD in about 1 minute with +/- 1.5 bbls of oil followed by 2 bw surging for about then ten seconds then dieing. SWI and monitor pressure. MIRU WFD test unit and Preferred HO. MIRU Halliburton E-line. SICP @ 100 psi in 2.5 hrs. BO well to pit. RIH and run CAST-M log correlated to the Perforators CBL log. CAST-M log ran in CIM(csg inspection mode) with 60 shots/ 4 scans/ft, head 3-1/8" OD as follows: Scan 1: from PBTD to 10,000' no pressure. Scan 2: from PBTD to 10,000'; Scanned @ 5000 psi. Scan 3: from PBTD to 8050'; Scanned @ 5000 psi. BO WB to pit and POOH w/ WL. RDMO WFD test unit and Preffered HO. RDMO Halliburton E-Line truck. SWIFWE. Tarp and heat WH. SD light plants and leave location @ 21:00. - Safety Meeting @ 6:00, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 1000#. RU flowback line and BO well to pit. Well BD in about 1 minute with +/- 1.5 bbls of oil followed by 2 bw surging for about then ten seconds then dieing. SWI and monitor pressure. MIRU WFD test unit and Preferred HO. MIRU Halliburton E-line. SICP @ 100 psi in 2.5 hrs. BO well to pit. RIH and run CAST-M log correlated to the Perforators CBL log. CAST-M log ran in CIM(csg inspection mode) with 60 shots/ 4 scans/ft, head 3-1/8" OD as follows: Scan 1: from PBTD to 10,000' no pressure. Scan 2: from PBTD to 10,000'; Scanned @ 5000 psi. Scan 3: from PBTD to 8050'; Scanned @ 5000 psi. BO WB to pit and POOH w/ WL. RDMO WFD test unit and Preffered HO. RDMO Halliburton E-Line truck. SWIFWE. Tarp and heat WH. SD light plants and leave location @ 21:00. - Safety Meeting, discussed location hazards, recent NFX incidents,

job procedure, emergency plans, meeting point. SICP @ 975#. Couldn't BO well because of construction opperations. Tarped the well back in and prepped location for Halliburton WLT. Baker Hughes Oil Tools Invoice for \$17,105.41 is coded to 881-310. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point, SICP @ 100#. BO well and shut in for a 24 hr SI test.

Daily Cost: \$0

Cumulative Cost: \$153,716

1/25/2012 Day: 19

Completion

Rigless on 1/25/2012 - Monitor well pressures. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 850#. SWIFN and monitor pressures. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point, SICP @ 850#. SWIFN and monitor pressures. -Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 1000#. MIRUWLT. RIH and SCIBP @ 10302.5'. POOH and RBIH to dmp bl cmt on TOCIPB. Cmt top abv CIBP @ 10298'. RDMOWLT. SWIFN and mon psi, -Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 1000#. MIRUWLT. RIH and SCIBP @ 10302.5'. POOH and RBIH to dmp bl cmt on TOCIPB. Cmt top abv CIBP @ 10298'. RDMOWLT. SWIFN and mon psi.

Daily Cost: \$0

Cumulative Cost: \$198,727

1/31/2012 Day: 22

Completion

Rigless on 1/31/2012 - Install hanger, pressure test and monitor pressure. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Install hanger, pressure test and monitor pressure. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 400#. MIRU crane to PU and NU 7 1-/16" 10K WFD frac tree as follows: tubing head, crowne valve, HCR, flow cross w/ dual 2 1/16" 10K gate valves off each side of the flow cross, 16" spacer spool, frac valve, RU and installed frac stand. Tarped in frac stand and monitor pressures. -Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 400#. MIRU crane to PU and NU 7 1-/16" 10K WFD frac tree as follows: tubing head, crowne valve, HCR, flow cross w/ dual 2 1/16" 10K gate valves off each side of the flow cross, 16" spacer spool, frac valve. RU and installed frac stand. Tarped in frac stand and monitor pressures. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Install hanger, pressure test and monitor pressure.

Daily Cost: \$0

Cumulative Cost: \$279,116

2/2/2012 Day: 23

Completion

Rigless on 2/2/2012 - Install new test hanger. Test frac tree. Reheat tanks. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 700#. BD well to zero and open up frac tree. Tie into the production hanger with pup joints and unscrew lockdown pins. Pull the production hanger out of the tubing head and unscrew from the pup joints. Uninstall the two-way check from the production hanger and reinstall into the test hanger. Install the test hanger onto the pup joints and reinstall the test hanger into the tubing head. Screw in the lockdown pins and tighten the packing glands. Pull the pup joints out of the frac tree and MIRU WFD test unit. Test the frac tree as per procedures. SWIFN. Reheat frac tanks.

Daily Cost: \$0

Cumulative Cost: \$281,396

2/7/2012 Day: 24

Completion

Rigless on 2/7/2012 - RU flowback equipment to the WH. Test per procedures w/ WFD test unit. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. MIRUWFD test unit. RU flowback iron to the WH and test to the seperator unit per procedures.

Daily Cost: \$0

Cumulative Cost: \$284,922

2/8/2012 Day: 25

Completion

Rigless on 2/8/2012 - Perf stage 1. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 800#. BD well to pit and pull hanger out of tbg head. MIRUWLT, MIRU WFD test unit. RIH and perf stg 1under 1200# pressure. POOH and RDMOWLT. SWIFN w/1200# pressure.

Daily Cost: \$0

Cumulative Cost: \$296,975

2/10/2012 Day: 26

Completion

Rigless on 2/10/2012 - Frac stage 1, Got guns stuck while trying to perf stage 2. Got guns unstuck and RIH to misfire on setting plug. POOH, RBIH to set plg and made 4 perfs shorting out. POOH and rehead. RBIH to finish perfing stage 2. SWIFN @ 00:00 on 2-10-2012 - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point.RU BJ Services. Frac stg 1- Wasatch 23,20,28,15, 10 as shown in stimulation report. 3859.4 BWTR. RU The Perforators wireline. To make two guage ring/ junk basket runs pulling out sand only. RIH with plug and guns. Stuck at linertop. Tried pulling and setting down multiple times. WB pressure @ 4275#. Max pull is 3200#. Surged the well 5 times @ 2-3 bbls at a time and tried pulling and setting down multiple times. Surged the well of 20-30 bbls while pulling and setting down multiple times. Picked up tool weight only on WL. Kicked in frac pump and ramped up to 3 bpm. Picked up and set down a couple of times while pumping. Still stuck. Ramped up to 6 bpm. Sat tool weight down first and pulled up to 2000# line tension while pumping at 6 bpm. Guns came unstuck. POOH 300'. Kicked in pumps @ 3 bpm for 20 bbls. Max pump pressure @ 4370#. RBIH past liner top and to plug set depth @ 9360'. Misfire on setting the plug. POOH. Found leaking guns. RU and RIH to set CFTP @ 9360' & perf stg 2- wastch 10 as shown in perforation report. Guns shorted out with four perfs left. POOH. Rehead, RU guns and RIH to finish stg 2 perforating. POOH and SWIFN @ 00:00 on 2-10-2012.

Daily Cost: \$0

Cumulative Cost: \$301,825

2/11/2012 Day: 27

Completion

Rigless on 2/11/2012 - Frac stages 2-5. Set KP @ 8613'. Perform negative test on KP and SWIFN. - RD BJ Services & The Perforators wireline. - RU The Perforators wireline. Test lubricator to 8500 psi for 5 min. RIH w/ 3.81 guage ring and junk basket to clear perfs and catch balls. POOH and Test lubricator to 8500 psi for 5 min. RBIH to set CFTP @ 8747' & perf stg 5- BarF as shown in perforation report. RU BJ Services. Frac stg 5- BarF as shown in stimulation report. 10945.7 BWTR. RU The Perforators wireline. Test lubricator to 8500 psi for 5 min. RIH to set CFTP @ 8926'. BO WB and POOH. Perform a negative test on the KP. Monitor for 30 min. SWIFN. ND Frac tree to the HCR. SWIFN. - RU The Perforators wireline. Test lubricator to 8500 psi for 5 min. RIH to set CFTP @ 8926' & perf stg 4- CP Limes as shown in perforation report. RU BJ Services. Frac stg 4- CP Limes as shown in stimulation report. 8578.2 BWTR. - RU The Perforators wireline. Test lubricator to 8500 psi for 5 min. RIH w/ 3.81 guage ring and junk basket to clear perfs and catch balls. POOH and RBIH to set CFTP @ 9224' & perf stg 3- WASATCH as shown in perforation report. RU BJ Services. Frac stg 3-WASATCH as shown in stimulation report. 7367.2 BWTR. - Frac stg 2- WASATCH 10 as shown in stimulation report. 4984.4 BWTR.

Daily Cost: \$0

Cumulative Cost: \$618,861

2/13/2012 Day: 28

Completion

Rigless on 2/13/2012 - Transfer water, haul off tanks, and MI spot Snubbing unit and pipe. Change out 2-7/8" pipe packers to 2-3/8" packers. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. RD frac tree and haul to WFD in Vernal. MI and spot Snubbing equipment. MIRU RNI Vac truck and HO to clean Snubbing unit. Change out BOPS from 2-7/8" to 2-3/8" packers. Spot trucks and unload pipe. Transfer water and hual off tanks.

Daily Cost: \$0

Cumulative Cost: \$628,711

2/14/2012 Day: 29

Completion

Rigless on 2/14/2012 - RU snubbing unit, test BOPS and motor, RIH w/100 jts. SDFN. EOT @ 3120'. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. RU Snubbing unit, RU Cudd pump truck, spot catwalk and pipe racks, load 2-3/8" p-110 tubing onto racks. MIRU WFD test unit and test BOPS. PU, test and RIH W/ Weatherford 3 7/8 Mill & Motor, 1 jt. 1.87 XN nipple and 100 jts. SWIFN. Tarp up BOPS. EOT @ 3120'.

Daily Cost: \$0

Cumulative Cost: \$726,940

2/15/2012 Day: 30

Completion

Rigless on 2/15/2012 - DO/CO KP and two plugs. Circ bottoms up and pull out of liner to SWIFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. RIH to DO/CO. Tagged at 8130' liner top. Started pumping and tubing ran through the liner no problem. Tagged fill @ 8553'. CO to tag KP @ 8613'. DO in 25 min. RIH to tag fill @ 8687'. CO to tag CFTP @ 8747'. DO in 23 min. RIH to tag CFTP @ 8926' DO in 18 min. Circ bottoms up and POOH to 8035'. Circ brine throughout stack and flowback lines. SWIFN. Tarp in the WH.

Daily Cost: \$0

Cumulative Cost: \$753,382

2/16/2012 Day: 31

Completion

Rigless on 2/16/2012 - DO/CO to PBTD. Circ clean and POOH to 4992'. SWIFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. RIH to tag CFTP @ 9224'. RU to DO. Catch circ and DO in 7 min. RIH to tag CFTP @ 9360'. Catch circ and DO in 9 min. RIH to PBTD @ 10303'. PU 10' and circ well clean

with a polymer sweep. POOH to 4992'. Pump brine through stack and flowback lines. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$780,440

2/17/2012 Day: 32

Completion

Rigless on 2/17/2012 - POOH and RIH w/WL to set Hornat packer at 8030'. BD well and negative test packer. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 3100#. Check tbg for ice plgs, finish POOH through balance and into snub mode. Finished laying down tbg at 11:30 AM. RDMOSU. MIRUWLT and lubricator. MIRU FourStar test unit. Test lubricator and RIH with Packer assembly as follows: Pump out plug w/ three pins, 6' 2-7/8" pup, XN nipple, 6' 2-7/8" pup, 7" Baker Hornet packer, Baker on/off skirt. Set Packer w/ #20 charge @ 8030'. POOH w/ WL and and RDMOWLT. BO well and shut in and perform a negative test @ 20:00. Opened back up @ 21:00 with gas pressure- bledding down fast. SWI and test again for 30 min. OWU @ 21:45 no pressure. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$821,004

2/19/2012 Day: 33

Completion

WWS #3 on 2/19/2012 - MIRUWOR and RIH to above packer. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 0#. Pump to circ annular volume of packer fluid around the backside. RIH w/ 1-2', 1-4', 2-6', 1-8' 2-7/8" N-80 pup jts and the production hanger with a dual back pressure valve installed to latch onto the packer and land tubing in 5000# compression. Cameron tested the hanger seal. WFD testing pressure tested the backside to 2000# for 30 min. ND BOP equipment and install production tree testing 250 psi low/ 9500 psi high. Cameron uninstalled the DBPV and utilized a hotoiler to pump out the plug @ 4500#. WB pressure dropped to 3000#and pumped 5 BW passed Pump out. SWI and handed over to pumper. Heated and transferred FB tanks to facilities. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 0#. Pump to circ annular volume of packer fluid around the backside. RIH w/ 1-2', 1-4', 2-6', 1-8' 2-7/8" N-80 pup jts and the production hanger with a dual back pressure valve installed to latch onto the packer and land tubing in 5000# compression. Cameron tested the hanger seal. WFD testing pressure tested the backside to 2000# for 30 min. ND BOP equipment and install production tree testing 250 psi low/ 9500 psi high. Cameron uninstalled the DBPV and utilized a hotoiler to pump out the plug @ 4500#. WB pressure dropped to 3000#and pumped 5 BW passed Pump out, SWI and handed over to pumper. Heated and transferred FB tanks to facilities. -Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 300 psi, bled off quickly- all gas. SWI and MIWOR. Rig got stuck while spotting in, Road grader showed up with 7 trucks of road base to pull out the rig, remove mud and grade road base. Opened up well and it just puffed gas briefly. 300 # guage read 0 psi. SWI. Spot WOR and RU. Unload and spot hydraulic catwalk and pipe racks. Transfer 2-7/8" N-80 tbg to the pipe racks. Tally and opened up the well after two hours shut in to check for pressure build. Zero bleed off. RIH w/ on/off tool, 1 jt, X nipple, and 255 jts to tag packer. LD 1 jt and SWIFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 300 psi, bled off quicklyall gas. SWI and MIWOR. Rig got stuck while spotting in. Road grader showed up with 7 trucks of road base to pull out the rig, remove mud and grade road base. Opened up well and it just puffed gas briefly. 300 # guage read 0 psi. SWI. Spot WOR and RU. Unload and spot hydraulic catwalk and pipe racks. Transfer 2-7/8" N-80 tbg to the pipe racks. Tally and opened up the well after two hours shut in to check for pressure build. Zero bleed off. RIH w/ on/off tool, 1 it, X nipple, and 255 jts to tag packer. LD 1 jt and SWIFN.

Daily Cost: \$0

Cumulative Cost: \$827,331

2/27/2012 Day: 35

Completion

Rigless on 2/27/2012 - run Production log. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. R/U PLS slickline RIH w/ protechnics Prod. Log tools w/ well flowing on 20 choke @ 250# 1st run (data good) RDWL and cont. to produce well.

Daily Cost: \$0

Cumulative Cost: \$1,011,092

3/26/2012 Day: 39

Completion

Nabors #1406 on 3/26/2012 - RDMO. Hang rods on unit w/ B&G crane. RU well head. PWOP @ 11:30 am w/ 288" SL & 3.5 SPM. Final report. - Circulate 60 BW down tbg. POOH w/ tbg, LD pkr. RIH w/ Nogo, 4- jts tbg, desander, 6' sub, SN, 1- jt tbg, TA, 253- jts tbg, land tbg. ND BOP & hydrill. Set TA w/ 18000# tension. NUWH. X- over to rod equipment. - MIRU. Pump 60 BW @ 250° F down tbg. Bleed well off. NDWH. NU BOP & hydrill. Release pkr. SWIFN. - MIRU. Pump 60 BW @ 250° F down tbg. Bleed well off. NDWH. NU BOP & hydrill. Release pkr. SWIFN. - MIRU. Pump 60 BW @ 250° F down tbg. Bleed well off. NDWH. NU BOP & hydrill. Release pkr. SWIFN. - MIRU. Pump 60 BW @ 250° F down tbg. Bleed well off. NDWH. NU BOP & hydrill, Release pkr. SWIFN. - Circulate 60 BW down tbg. POOH w/ tbg, LD pkr. RIH w/ Nogo, 4- jts tbg, desander, 6' sub, SN, 1- jt tbg, TA, 253- jts tbg, land tbg. ND BOP & hydrill. Set TA w/ 18000# tension. NUWH. X- over to rod equipment. - Circulate 60 BW down tbg. POOH w/ tbg, LD pkr. RIH w/ Nogo, 4- its tbg, desander, 6' sub, SN, 1- it tbg, TA, 253- its tbg, land tbg. ND BOP & hydrill. Set TA w/ 18000# tension. NUWH. X- over to rod equipment. - Circulate 60 BW down tbg. POOH w/ tbg, LD pkr. RIH w/ Nogo, 4- jts tbg, desander, 6' sub, SN, 1- it tbg, TA, 253- its tbg, land tbg. ND BOP & hydrill. Set TA w/ 18000# tension. NUWH. X- over to rod equipment. - Prep new rod string. Pump 60 BW @ 250° F down tbg. PU & stroke test new JC 2 1/2"x 1 3/4"x 36' RHBC pump. RIH w/ rods as detailed. Seat pump. SWIFN. - Prep new rod string. Pump 60 BW @ 250° F down tbg. PU & stroke test new JC 2 1/2"x 1 3/4"x 36' RHBC pump. RIH w/ rods as detailed. Seat pump. SWIFN. - Prep new rod string. Pump 60 BW @ 250° F down tbg. PU & stroke test new JC 2 1/2"x 1 3/4"x 36' RHBC pump. RIH w/ rods as detailed. Seat pump. SWIFN. - Prep new rod string. Pump 60 BW @ 250° F down tba. PU & stroke test new JC 2 1/2"x 1 3/4"x 36' RHBC pump. RIH w/ rods as detailed. Seat pump. SWIFN. - RDMO. Hang rods on unit w/ B&G crane. RU well head. PWOP @ 11:30 am w/ 288" SL & 3.5 SPM. Final report. - RDMO. Hang rods on unit w/ B&G crane. RU well head. PWOP @ 11:30 am w/ 288" SL & 3.5 SPM. Final report. - RDMO. Hang rods on unit w/ B&G crane. RU well head. PWOP @ 11:30 am w/ 288" SL & 3.5 SPM. Final report. -RDMO. Hang rods on unit w/ B&G crane. RU well head. PWOP @ 11:30 am w/ 288" SL & 3.5 SPM. Final report. Finalized

Daily Cost: \$0

Cumulative Cost: \$1,316,200

Pertinent Files: Go to File List

Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

CC	GARDROVED GHB HD, 1004 DV 7 Et al. July 21, 19
	5. Lease Schal
	MI 54400

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

b. Type of Completion:												ML-	51433		
Address	la. Type of Well b. Type of Comple	etion: 🔽	Oil Well New Well	Ga W	s Well ork Over	Dry Deepen	Other Plug Back	☐ Diff	Resvr.,			6. If	Indian	, Allottee or T	ribe Name
3. Address 18. Phone No. (Include area code) 9. AT Well No.									ŕ			7. U	nit or C	CA Agreement	Name and No.
149 1771 H.T. SUITE 1000 DENVER, CO BESSEZ 43,013-5,0691		or LORATIO	ON COM	IPANY											No.
Location of Wel (Report location clearly and in accordance with Federal requirements)* 10. Field and Pool of Exploratory 11. Sec. 1, R. M. on Block and Survey or Area \$EC. 4, T3S, R1W (ML-51433) 11. Sec. 1, R. M. on Block and Survey or Area \$EC. 4, T3S, R1W ML-51433) 12. County or Parish 13. State DUCHESNE UT UT UT UT UT UT UT U		TH ST. SUI	TE 1000 DE	ENVER, CO	80202		3a. (4	Phone N 35) 646	lo. <i>(includ</i> -3721	le area code)					
At surface 1774' FNL & 2161' FWL (SE/NW) SEC. 4, T3S, R1W (ML-51433)	4. Location of Wel	l (Report le	ocation cl	early and	in accorde	ance with Feder						10.	Field ar	nd Pool or Exp	ploratory
At total depth At total dept	At surface 177	4' FNL & 2	2161' FV	VL (SE/N	IW) SEC	. 4, T3S, R1W	/ (ML-51433	3)				11 3	Sec. T	R M on B	lock and
At 10tal depth												'	Survey	or Area SEC.	4, T3S, R1W
14. Date Spatided 15. Date T.D. Reached 12/26/2011 17. Elevations (DF, RKB, RT, GL)* 17/13/2011 18. Total Depth: MD 10/380* 19. Plug Back T.D.: MD 10/3030* 20. Depth Bridge Plug Set: MD VD VD VB VB VB VB VB V	At top prod. inter	rval reporte	d below									12.	County	or Parish	13. State
11/13/2011 12/26/2011									·			- 1			
18. Total Depth: MD 10380' 19. Plug Back T.D. MD 10303' TVD 1700 17	14. Date Spudded 11/13/2011					i	16. D	ate Comp ID & A	oleted 03/	24/2012 adv to Prod.		17. 1 506	Elevation 1' GI	ons (DF, RKI 5078' KB	3, RT, GL)*
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 22. Was well cored? 23. Casing and Liner Record 24. Camput 25. Casing and Liner Record 25. Casing and Line	18. Total Depth:		380'		19. Plu		MD 10303'				dge Plug	Set:	MD	0010 110	
	21. Type Electric &		hanical Lo	ogs Run (Submit cop		1 40		22	. Was well	cored?			Yes (Submit	analysis)
13. Casing and Liner Record (Report all strings set in well) 1.0 1	DUAL IND GRD	, SP, COI	MP. DEN	NSITY,C	OMP. NE	EUTRON,GR,	CALIPER, C	MT BOI	ND						
Top Size S	23. Casing and Li	ner Record	(Report o	all strings	set in well	<u> </u>		, ,						1 100 (5000000	сору <i>)</i>
12-1/4" 9-5/8" J-55 36# 0 1025' 342 PRIMLITE Surface			<u> </u>	<u> </u>	(MD)	Bottom (MD							Cen	nent Top*	Amount Pulled
8-3/4" 7" P-110 26# 0 8466' 525 PRIMLITE															
252 50/50 POZ													Surfa	ice	
24. Tubing Record				1		0400									
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Packer Depth (MD)	6-1/8" 4-1/	2" P-110	116#	8156'		10368'			173 CLA	ASS "G"					
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Packer Depth (MD)	24 Tubing Pager														
25. Producing Intervals	Size De		D) Pa	cker Depth	(MD)	Size	Depth Set	t (MD)	Packer De	epth (MD)	Siz	e	Dep	oth Set (MD)	Packer Depth (MD)
Formation Top Bottom Perforated Interval Size No. Holes Perf. Status A) Green River 8688' 9626' 8688-9626' .34" 126 B) C) C) D) Top Bottom Perforated Interval Size No. Holes Perf. Status B(888-9626' .34" 126 C) D(C) Amount and Type of Material Amount and Type of Material Example (A) Amount and Type of Material Example (A) B(C) B(C) D(C) D(C			4' TA @	@ 7937'		······································	26 7	<u> </u>	 						
B) C) D) 27. Acid, Fracture, Treatment, Cement Squeeze, etc. Depth Interval 8688-9626' Frac w/ 379251# 20/40 white sand and 8023 bbls Slickwater & Lightning 20 fluid, in 5 stages. 28. Production - Interval A Date First Test Date Hours Test Oil Gas Water Oil Gravity Gas Production Method Production BBL MCF BBL Corr. API Gravity 2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump 2/19/12 4/3/12 24 The stage of Material Rest Oil Gravity Gas Production Method Gravity G		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		To	p	Bottom				S	ize	No. I	Holes	T	Perf. Status
C) D) 27. Acid, Fracture, Treatment, Cement Squeeze, etc. Depth Interval 8688-9626' Frac w/ 379251# 20/40 white sand and 8023 bbls Slickwater & Lightning 20 fluid, in 5 stages. 28. Production - Interval A Date First Test Date Production Test Date Production Test Date Production BBL MCF BBL Corr. API Gravity Gravity 2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump 2/19/12 4/3/12 24 140 120 108 Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water Gas/Oil Well Status Size Flwg. Press. Rate BBL MCF BBL Ratio PRODUCING	A) Green River			8688'		9626'	8688-962	26'		.34"		126			
Depth Interval Amount and Type of Material Frac w/ 379251# 20/40 white sand and 8023 bbls Slickwater & Lightning 20 fluid, in 5 stages. 28. Production - Interval A Date First Produced Produced Production BBL MCF BBL Corr. API Gravity Gas Gravity 2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump 2/19/12 4/3/12 24 140 120 108 Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water Gas/Oil Well Status Flwg. Press. Rate BBL MCF BBL Ratio PRODUCING															
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Frac w/ 379251# 20/40 white sand and 8023 bbls Slickwater & Lightning 20 fluid, in 5 stages. 28. Production - Interval A Date First Test Date Production BBL MCF BBL Corr. API Gravity Gas Gravity 2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump 2/19/12 4/3/12 24 140 120 108 Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water Gas/Oil Well Status Production BBL MCF BBL Ratio PRODUCING		, Treatment	, Cement	Squeeze,	etc.									<u> </u>	
28. Production - Interval A Date First Test Date Production BBL MCF BBL Corr. API Gravity Gas Production Method 2/19/12 4/3/12 24 140 120 108 Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water Gas/Oil Well Status Size Flwg. Press. Rate BBL MCF BBL Ratio PRODUCING		Interval		-	27005411	00/40 - 1.11									
Date First Test Date Hours Test Oil Gas Water Oil Gravity Gas Production Method 2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump 2/19/12 4/3/12 24 140 120 108 Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water Gas/Oil Well Status Flwg. Press. Rate BBL MCF BBL Ratio PRODUCING	8088-9020			Frac w/	<u>37</u> 9251#	20/40 White s	and and 802	23 bbls 3	Slickwate	er & Lightni	ng 20 fl	uid, in	5 stag	es	
Date First Test Date Hours Test Oil Gas Water Oil Gravity Gas Production Method 2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump 2/19/12 4/3/12 24 140 120 108 Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water Gas/Oil Well Status Flwg. Press. Rate BBL MCF BBL Ratio PRODUCING															
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Produced Tested Production BBL MCF BBL Corr. API Gravity 2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump 2/19/12 4/3/12 24 140 120 108 Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water Gas/Oil Well Status Press. Rate BBL MCF BBL Ratio PRODUCING			Test	t k	Oil	Gas	Water	Oil Grav	itv	Gas	Prod	uction N	fethod		
Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water Gas/Oil Well Status Size Flwg. Press. Rate BBL MCF BBL Ratio PRODUCING	Produced	Teste	i Pro					1	-					20' x 21' x 2	4' RHAC Pump
Size Flwg. Press. Rate BBL MCF BBL Ratio PRODUCING				→											
	SI			→											
28a. Production - Interval B						1		1							
	Date First Produced Test D										Prod	uction N	lethod		
	1		_	→				1							
										Well Statu	s				RECEIVED
Size Flwg. Press. Rate BBL MCF BBL Ratio		PTACC	ik ata	er l	DBL.	IIVIL.P	IS IS I	OF STRO							

28b. Prod	uction - Inte	erval C								_		
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gra Corr. A		Gas Gravity	Production Method		, , ,
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oi Ratio	1	Well Status			
	uction - Inte											
Produced		Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gra Corr. A		Gas Gravity	Production Method		
Choke Size	Tbg. Press. Flwg. SI	. Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oi Ratio	1	Well Status			-
29. Dispo	sition of Ga	s (Solid, us	ed for fuel, ve	nted, etc.)								
SOLD AND USED FOR FUEL												
30. Sumn	30. Summary of Porous Zones (Include Aquifers): [31. Formation (Log) Markers											
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. GEOLOGICAL MARKERS												
Formation											7	Гор
		Тор	Bottom		Descriptions, Contents, etc.					Name		s. Depth
GREEN RIVER		8688'	9626'						GREEN RIVE MAHOGANY		3875' 5978'	
									GARDEN GU WASATCH	LCH1	7093' 9072'	
									TF40 RB		10178'	
									į			
				:								
32. Addit	tional remar	ks (include	plugging pro	cedure):					I			
22 Y T 1:1:1:2 1 1 1 1												
33. Indicate which items have been attached by placing a check in the appropriate boxes: ☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey												
	Sundry Notice for plugging and cement verification Core Analysis							Other:				
34. I here	by certify the	hat the fore	going and atta	ached infor	mation is comp	lete and correc	ct as deter	mined from	all available r	ecords (see attached instructio	ns)*	
Name (please print) Jennifer Peatross Title Production Technician												
Signature Pentross							Date 10/16/2012					
Title 18 U	J.S.C. Section	on 1001 an	d Title 43 U.S	.C. Section	1212, make it	a crime for an	y person k	mowingly at	nd willfully to	make to any department or ag	ency of the United	d States any
false, fict	false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. (Continued on page 3) (Form 3160-4, page 2)											

	STATE OF UTAH		FORM 9							
	5.LEASE DESIGNATION AND SERIAL NUMBER:									
	ML51433									
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:									
Do not use this form for pro- current bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:									
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: STATE 6-4-3-1W									
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	9. API NUMBER: 43013506910000									
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 200	9. FIELD and POOL or WILDCAT: WILDCAT									
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1774 FNL 2161 FWL			COUNTY: DUCHESNE							
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SENW Section: (STATE: UTAH									
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA										
TYPE OF SUBMISSION		TYPE OF ACTION								
	ACIDIZE	ALTER CASING	CASING REPAIR							
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME							
Approximate date work will start.	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE							
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION							
9/7/2012	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK							
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION							
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON							
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL							
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION							
		✓ OTHER	OTHER: Site Facility/Site Security							
40 DECODINE DRODOGED OD	WILDCAT WELL DETERMINATION	United to the later to the later								
I .	COMPLETED OPERATIONS, Clearly show TACHED REVISED SITE FACILITY		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 14, 2013							
NAME (PLEASE PRINT)	PHONE NUMB									
Jill L Loyle	303 383-4135	Regulatory Technician								
SIGNATURE N/A		DATE 1/25/2013								

Sundry Number: 34109 API Well Number: 43013506910000 **NEWFIELD PRODUCTION COMPANY** NOT TO SCALE STATE 6-4-3-1W SEC.4 T3S R1W DUCHESNE COUNTY, UTAH **LEGEND** ABOVEGROUND PIPING Cut Slope UNDERGROUND PIPING (LOCATION APPROXIMATE) МН METER HOUSE DIRECTION OF FLOW Cut Slope Glycol bbl BARREL(S) Water Oil Oil Oil 500-gal LOAD LINE 400 bbl 400 bbl 400 bbl 400 bbl WELL HEAD ф МН 100 bbl Pit Heater Treater BJ **BELT JACK** PUMP Generator, PIPING CONDUIT LL Diesel Building 12-bbl Entry Low Area Unnamed Irrigation Ditch 500 ft

ALL UNDERGROUND PIPING IS FOR PROCESS FLOW DEMONSTRATION ONLY